

Safety Data Sheets

Treasurer



Bldg E, Bisbee

11/25/2019



Safety Data Sheet Index
Binder: Bldg E, Bisbee - Treasurer

Product Name	CAS Number	Manufacturer	Version Date	Page
70% ISOPROPYL ALCOHOL - 70% ISOPROPYL ALCOHOL	67-63-0	OSTREM CHEMICAL CO. LTD.	01/31/2018	5
ABC Dry Chemical Fire Extinguishant - ABC Dry Chemical Fire Extinguishant		AMEREX CORPORATION	03/13/2018	9
Ant & Roach Spray II - Ant & Roach Spray II		Fuller Brush Company		21
Clean Ups - Clean-Ups		LEE PRODUCTS COMPANY	04/03/2015	23
CLOROX DISINFECTANT WIPES - CLOROX DISINFECTANT WIPES		The Clorox Company	07/01/2006	35
Compuessory Power Duster - Compuessory Power Duster	75-37-6	Falcon Safety Products, Inc	10/26/2017	36
Expo White Board Cleaner - Expo White Board Cleaner		Newell Rubbermaid	08/05/2015	42
FABULOSO ALL PURPOSE CLEANER OCEAN COOL - FABULOSO ALL PURPOSE CLEANER OCEAN COOL		Colgate-Palmolive Company	04/02/2013	50
Fantastik All Purpose Cleaner - Fantastik All Purpose Cleaner		Dow Chemical Company	02/01/1996	56
Fellowes Powershred Shredder Lubricant 35250 - 35250 Fellowcs Powershred Shredder Lubricant	120962-03-0	Fellowes, Inc.	02/10/2012	59
FOLEX INSTANT CARPET SPOT REMOVER - FOLEX INSTANT CARPET SPOT REMOVER		FOLEXPORT, INC. RDH CHEMICAL COMPANY FOLEX COMPANY	11/11/2013	62
FRESH SCENT CLOROX DISINFECTANT SPRAY - FRESH SCENT CLOROX DISINFECTANT SPRAY		The Clorox Company	02/01/1999	65
Glade Air Freshener - All Fragrances - Glade Air Freshener - All Fragrances		S.C. JOHNSON WAX	02/05/1992	66
Goo Gone- 4 oz. - Goo Gone		Goo Gone	11/28/2017	69
HOOVER STEAMVAC CARPET & UPHOLSTERY DETERGENT - HOOVER STEAMVAC CARPET & UPHOLSTERY DETERGENT		ELCO LABORATORIES, INC.	08/07/2002	74
HYDROGEN PEROXIDE 3% SOLUTION - HYDROGEN PEROXIDE 3% SOLUTION		Cumberland Swan	08/08/2008	80
KleenMaster Products - KleenMaster Products		BRILLIANIZE, INC.	04/09/2012	88

Product Name	CAS Number	Manufacturer	Version Date	Page
Lemon Pledge Aerosol - Lemon Pledge Aerosol		Drackett Professional Products	03/02/1999	92
LYSOL BRAND DISINFECTANT SPRAY - ALL SCENTS - LYSOL BRAND DISINFECTANT SPRAY - ALL SCENTS		L & F PRODUCTS	09/30/1994	96
Magnet Dust Mop Treatment - Magnet Dust Mop Treatment	8052-41-3	WAXIE SANITARY SUPPLY	05/27/2003	101
OFFICE DEPOT CLEANING DUSTER, 10OZ CAN - OFFICE DEPOT CLEANING DUSTER, 10OZ CAN	811-97-2	Office Depot Inc	01/01/2003	102
PLEDGE MULTI SURFACE EVERYDAY CLEANER - PLEDGE MULTI SURFACE EVERYDAY CLEANER		S.C. Johnson & Son, Inc.	02/05/2013	104
Prang Tempera Paint Ready To Use - Prang Tempera Paint Ready To Use		DIXON TICONDEROGA INC.	02/22/2002	112
PURELL Hand Sanitizer - PURELL Hand Sanitizer		GOJO Industries, Inc.	03/19/2015	114
R896A - R896A		WISDOM ADHESIVES	03/28/2011	129
RAID ANT & ROACH KILLER 17 (OUTDOOR FRESH - RAID ANT & ROACH KILLER 17 (OUTDOOR FRESH)		S.C. Johnson & Son, Inc.	02/24/2015	133
Rubber Roller Cleaner, 203 - Rubber Roller Cleaner, 203		Martin Yale Industries, Inc.	02/06/1997	147
Schultz Plant Shine - Schultz Plant Shine		Schultz Company	01/01/2001	153
SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094) - SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)		3M - Industrial Tape and Specialties Division	11/25/1997	154
Simple Green All -Purpose Cleaner Simple Green Concentrated Cleaner /Degreaser /Deodorizer Simple Green Scrubbing Pad - Simple Green All -Purpose Cleaner Simple Green Concentrated Cleaner /Degreaser /Deodorizer Simple Green Scrubbing Pad		Sunshine Makers, Inc.	01/01/2006	160
Staples Glass & Mirror Cleaner (STP18485)(BPR123A19-A) - Glass & Mirror Cleaner (STP18485)(BPR123A19-A)		Staples Contract & Commercial, Inc.	06/24/2013	164
STEAM IT CLEAN CARPET EXTRACTION CLEANER - Steam IT Clean Carpet Extraction Cleaner		WAXIE SANITARY SUPPLY	04/08/2005	171
TRI - FLOW Superior Lubricant with PTFE - TRI-FLOW Superior Lubricant with PTFE		Sherwin-Williams Company - Consumer Group - Industrial	01/16/2014	173
WD-40 Aerosol - WD-40-Aerosol		WD-40 Company	12/28/2017	177

Product Name	CAS Number	Manufacturer	Version Date	Page
WINDEX ORIGINAL GLASS CLEANER WITH AMMONIA-D - WINDEX ORIGINAL GLASS CLEANER		S.C. Johnson and Son, Limited	05/23/2017	182
WOOLITE Fabric & Upholstery Cleaner - WOOLITE Fabric & Upholstery Cleaner		BISSELL, INC.	06/06/2007	192
Woolite One Step Foam Carpet Cleaner - Woolite One Step Foam Carpet Cleaner		BISSELL, INC.	08/07/2007	196

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: 70% ISOPROPYL ALCOHOL

Date of Revision: January 31, 2018

Product Code: G697

Other Name(s):

Distributed By:

Recommended Use and Restrictions on Use:

Manufactured By: Ostrem Chemical Co. Ltd.
2310 - 80th Avenue NW
Edmonton, Alberta, Canada T6P 1N2
www.ostrem.com

Phone: 780-440-1911
In Case of Emergency Only, Phone
CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification of the Mixture: Eye Damage/Irritation - Category 2A
Specific Target Organ Toxicity (Single Exposure) - Category 3
Flammable Liquids - Category 2

Label Elements:

Hazard Pictogram(s):



Signal Word: DANGER

Hazard Statement(s): Causes serious eye irritation.
May cause drowsiness or dizziness.
Highly flammable liquid and vapour.

Precautionary Statement(s):

Prevention: Wash hands thoroughly after handling.
Avoid breathing dust, vapours or spray.
Use only outdoors or in a well-ventilated area.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves, protective clothing, and eye/face protection.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison centre or physician if you feel unwell.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

Storage: Store in a well-ventilated place. Keep cool.
Keep container tightly closed.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Physical/health hazards not otherwise classified:

not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc.</u>	<u>CAS #</u>	<u>Common Names</u>
isopropanol (99%)	65 - 85%	67-63-0	isopropyl alcohol

4. FIRST-AID MEASURES

Safety Data Sheet

Necessary Measures:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison centre or physician if you feel unwell.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

Most important symptoms, both acute and delayed:

Causes serious eye irritation.
May cause drowsiness or dizziness.

Indication of immediate medical attention and special treatment needed, if necessary:

not applicable

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical (e.g.: hazardous combustion products):

May liberate carbon monoxide and carbon dioxide.

Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See section 8.

Environmental precautions:

Prevent from entering sewers, waterways or low areas.

Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wash hands thoroughly after handling.
Avoid breathing dust, vapours or spray.
Use only outdoors or in a well-ventilated area.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep cool.
Keep container tightly closed.
Keep out of reach of children. Store in a cool, dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters - Exposure limits:

Ingredient:
isopropanol (99%)

Limit:
ACGIH TWA: 200 ppm
STEL 400 ppm

Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

Other protection:

Wear protective gloves, protective clothing, and eye/face protection.

Safety Data Sheet

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc.):	colourless liquid
Odour:	strong alcohol odour
Odour threshold:	not available
pH:	neutral
Melting/Freezing point:	-16°F / -26°C
Initial boiling point and range:	not available
Flash point:	12 C
Evaporation rate:	not available
Flammability (solid, gas):	not available
Upper/lower flammability or explosive limits:	not available
Vapour pressure:	not available
Vapour density:	not available
Relative density (specific gravity):	0.856
Solubility(ies):	100%
Partition co-efficient: n-octanol/water:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	not available

10. STABILITY AND REACTIVITY

Reactivity:

This material is considered to be non-reactive under normal use conditions.

Chemical stability:

Stable.

Possibility of hazardous reactions:

not available

Conditions to avoid (e.g.: static discharge, shock or vibration):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible materials:

Oxidizers

Hazardous decomposition products:

not available

11. TOXICOLOGICAL INFORMATION

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Eye contact:	Causes serious eye irritation.
Skin contact:	May cause mild skin irritation.
Skin absorption:	not available

POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation:	not available
Ingestion:	not available
Eye contact:	not available
Skin contact:	not available
Skin absorption:	not available

Mutagenicity:

not available

Carcinogenicity:

This information, if applicable, can be found in Section 2.

Reproductive toxicity:

This information, if applicable, can be found in Section 2.

Sensitization of product:

This information, if applicable, can be found in Section 2.

Specific Target Organ Toxicity - single exposure:

This information, if applicable, can be found in Section 2.

Safety Data Sheet

Specific Target Organ Toxicity - repeated exposure: This information, if applicable, can be found in Section 2.

Toxicological Data:

Ingredient:

isopropanol (99%)

Data:

not available

Other Toxicological Information on Ingredients:

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available): not available

Persistence and degradability: not available

Bioaccumulative potential: not available

Mobility in soil: not available

Other adverse effects: not available

Ecological Information on Ingredients: not available

13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG classification: UN 1219; ISOPROPYL ALCOHOL; CLASS 3; PG II

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., Ph.: 780-440-1911

Date of Preparation: January 27, 2017

Date of Revision: January 31, 2018

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Ostrem Chemical Co. Ltd.

End of Document



SAFETY DATA SHEET

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ABC Dry Chemical Fire Extinguishant
 Other Identifiers: Multi-purpose Dry Chemical
 Product Code(s): CH555, F13, F11
 Model Code(s) of Extinguishers: 402, IS 18ABC, IS35ABC, IS 45ABC, 13ABC, V25ABC, VH25ABC, V30ABC, VH30ABC, V50ABC, VS50ABC, VS75ABC, V250ABC
 Recommended Use: Fire suppression, not for human or animal drug use.
 Manufacturer: AMEREX CORPORATION
 Internet Address: www.amerex-fire.com
 Address: 7595 Gadsden Highway, P.O. Box 81
 Trussville, AL 35173-0081
 Company Telephone: (205) 655-3271
 E-mail Address: info@amerex-fire.com
 Emergency Contacts: Chemtrec 1(800) 424-9300 or (703) 527-3887
 Revised: March 13, 2018

Section 2. HAZARDS IDENTIFICATION

GHS – Classification

Health	Environmental	Physical
Acute Toxicity: Category 5	None	None
Skin Corrosion/Irritation: Category 3	None	None
Skin Sensitization: NO	None	None
Eye: Category 2A	None	Warning
STOT – Category 3	None	Warning
Carcinogen: Category None	None	None

GHS – Label Symbol(s):

If Pressurized: Gas Under Pressure

GHS – Words(s): Warning

Other Hazards Not Resulting in Classification: Mica may contain small quantities of quartz (crystalline silica). Prolonged exposure to respirable crystalline silica dust at concentrations exceeding the occupational exposure limits may increase the risk of developing a disabling

lung disease known as silicosis. IARC found limited evidence for pulmonary carcinogenicity of crystalline silica in humans. In the case of normal use of this product, exposure to silica should be nil.

The attapulgite clay used in this product has a fiber length of less than 5µm; therefore, the clay is not considered to be carcinogenic in animals or humans.

GHS – Hazard Phrases

GHS Hazard	GHS Codes(s)	Code Phrase(s)
Physical	H229	*- Contents under pressure; may explode if heated.
Health	H303 315 319 335	May be harmful if swallowed Causes skin irritation Causes serious eye irritation May cause respiratory irritation
Environmental	None	
Precautionary:		
General	P101	If medical advice is needed, have product container or label at hand
Prevention	P251 261 264 280	Do not pierce or burn, even after use. Avoid breathing dust/fumes/gas/mist/vapours/spray. Wash exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P312 321 362 302+352 304+340 305+351+338 332+313 342+311 337+313	Call a doctor if you feel unwell. Specific treatment (see Section 4. First Aid Measures) Take off contaminated clothing. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a doctor. If eye irritation persists get medical advice/attention.
Storage	P410 +403	*- Protect from sunlight. Store in well-ventilated place.
Disposal	P501	Dispose of contents through a licensed disposal company. Contaminated container should be disposed of as unused product.

*- If under pressure

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No.	Weight %	Classification
Mono-ammonium phosphate	231-764-5	01-2119488166-29	7722-76-1	80-98	NA
Attapulgite clay	601-805-5	Not Available	12174-11-7	3-16	NA
Mica-potassium aluminum silicate	310-1276	Not Available	12001-26-2	1-2	NA
Silicone oil methyl hydrogen polysiloxane	613-152-3	Not Available	63148-57-2	<1	NA
Calcium carbonate	207-439-9	Not Available	1317-65-3	<1	NA
Amorphous silica precipitated synthetic zeolite	231-545-4	01-2119379499-16-0036	7631-86-9	<1	NA
Yellow 14 pigment – di-azo dye	226-789-3	Not Available	5468-75-7	<1	NA

Emergency overview:

Light yellow, fine solid powder, odorless.

Adverse health effects and symptoms:

Mild irritant to the respiratory system. Irritant to eyes, and skin. Symptoms may include coughing,

shortness of breath, and irritation of the lungs, eyes, and skin. Ingestion, although unlikely, may cause cramps, nausea and diarrhea.

Section 4. FIRST AID MEASURES

Eye Exposure:	May cause irritation. Irrigate eyes with water and repeat until pain free. Seek medical attention if irritation develops, or if vision changes occur.
Skin Exposure:	May cause skin irritation. In case of contact, wash with plenty of soap and water. Seek medical attention if irritation persists.
Inhalation:	May cause irritation, along with coughing. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if irritation persists.
Ingestion:	Overdose symptoms may include numbness or tingling in hands or feet, uneven heart rate, paralysis, feeling faint, chest pain or heavy feeling, pain spreading to the arm or shoulder, nausea, diarrhea, sweating, general ill feeling, or seizure (convulsions). If victim is conscious and alert, give 2-3 glasses of water to drink. If conscious, do not induce vomiting. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist.
Medical conditions possibly aggravated by exposure:	Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema, or bronchitis. Skin contact may aggravate existing skin disease. Chronic overexposure may cause pneumoconiosis ("dusty lung" disease).

Section 5. FIRE-FIGHTING MEASURES

Flammable Properties:	Not flammable
Flash Point:	Not determined
Suitable Extinguishing Media:	Non-combustible. Use extinguishing media suitable for surrounding conditions.
Hazardous Combustion Products:	Carbon oxides

Explosion Data:

Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
Unusual fire/explosion hazards:	In a fire this material may decompose, releasing oxides of carbon, potassium and nitrogen (see Section 10).
Protective Equipment and Precautions for Firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand. NIOSH (approved or equivalent) and full protective gear.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin, eyes, and clothing.
Personal Protective Equipment:	Minimum - safety glasses, gloves, and a dust respirator.
Emergency Procedures:	NA
Methods for Containment:	Prevent further leakage or spillage if safe to do so.
Methods for Clean Up:	Avoid dust formation; clean up released material using vacuum or wet sweep and shovel to minimize generation of dust. Bag and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.
Other:	If product is contaminated, use PPE and containment appropriate to the nature of the most toxic chemical/material in the mixture.

Section 7. HANDLING AND STORAGE

Personal Precautions:	Use appropriate PPE when handling or maintaining equipment, and wash thoroughly after handling (see Section 8).
Conditions for Safe Storage:	Keep product in original container or extinguisher. Contents may be under pressure – inspect for extinguisher rust periodically to ensure container integrity.
Incompatible Products:	Do not mix with other extinguishing agents, particularly potassium bicarbonate and sodium bicarbonate. Incompatible with strong oxidizing agents and strong acids. Do not store in high humidity. Do not combine with chlorine compounds.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	OSHA PEL	ACGIH TLV	DFG MAK *	EU BLV
Mono-ammonium phosphate	PNOC** Total dust, 15 mg/m ³ Respirable fraction, 5 mg/m ³	PNOC Total dust, 10 mg/m ³ Respirable fraction, 3 mg/m ³	PNOC Total dust, 4 mg/m ³ Respirable fraction, 1.5 mg/m ³	NA
Mica	6 mg/m ³	3 mg/m ³	-----	NA
Attapulgite clay	PNOC** Total dust, 15 mg/m ³ Respirable fraction, 5 mg/m ³	PNOC Total dust, 10 mg/m ³ Respirable fraction, 3 mg/m ³	PNOC Total dust, 4 mg/m ³ Respirable fraction, 1.5 mg/m ³	
Silicone oil	NR**	NR		
Calcium carbonate	PNOC Total dust, 15 mg/m ³ Respirable fraction, 5 mg/m ³	PNOC Total dust, 10 mg/m ³ Respirable fraction, 3 mg/m ³	-----	NA
Amorphous silica	20mppcf 80 mg/m ³ or % SiO ₂	10 mg/m ³	4 mg/m ³	NA
Yellow 14 pigment	NR	NR	NR	NA

*German regulatory limits **PNOC = Particulates not otherwise classified (ACGIH) also known as Particulates not otherwise regulated (OSHA) *** NR = Not Regulated. All values are 8 hour time weighted average concentrations.

Engineering Controls:

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment – PPE Code E:

The need for respiratory protection is not probable during short-term exposure. During production, the manufacturer should use judgement concerning the need for PPE.



Eye/Face Protection:
Skin and Body Protection:
Respiratory Protection:

Tightly fitting safety goggles
Wear protective gloves/coveralls
If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn. Use P100 respirators for limited exposure. Use air-purifying respirator (APR) with high efficiency particulate air (HEPA) filters for prolonged

exposure. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. The need for respiratory protection is not likely for short-term use in well ventilated areas.

Hygiene Measures:

Good personal hygiene practices essential, such as avoiding food, tobacco products, or other hand-to-mouth contact when handling. Wash thoroughly after handling.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow powder, finely divided odorless solid
Molecular Weight:	NH ₄ H ₂ PO ₄ : 115.03
Odor:	Odorless
Odor Threshold:	No information available
Decomposition Temperature °C:	100 - 120
Freezing Point °C:	No information available
Initial Boiling Point °C:	No information available
Physical State:	Crystalline Powder
pH:	Approximately 4.4 to 4.9
Flash Point °C:	None
Autoignition Temperature °C:	None
Boiling Point/Range °C:	No information available
Melting Point/Range °C:	NH ₄ H ₂ PO ₄ : 190
Flammability/Explosion Limits in Air °C:	Upper – None; Lower-None
Explosive Properties:	None
Oxidizing Properties:	None
Volatile Component (%vol)	Not applicable
Evaporation Rate:	No information available
Vapor Density:	No information available
Vapor Pressure:	NH ₄ H ₂ PO ₄ : 1.41 mm/Hg
Specific gravity at 25 °C:	NH ₄ H ₂ PO ₄ : 1.80
Solubility:	40.4 g/100 ml
Partition Coefficient:	NH ₄ H ₂ PO ₄ Est: -4.11
Viscosity:	No information available

NOTE: NH₄H₂PO₄ – Monoammonium Phosphate

Section 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage and handling conditions.
Incompatibles:	Strong oxidizing agents; Strong acids; sodium hypochlorite and chlorine compounds. Protect from moisture
Conditions to Avoid:	Storage or handling near incompatibles.
Hazardous Decomposition Products:	Carbon, nitrogen, and potassium oxides. Heat of fire may release carbon monoxide.
Possibility of Hazardous Reactions:	None
Hazardous Polymerization	Does not occur

Section 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation, skin and eye contact.
Symptoms:	
Inhalation:	Irritation, coughing.
Eyes:	Irritation.
Skin:	Irritation.
Acute Toxicity:	Relatively non-toxic.
Chronic Toxicity:	
Short-term Exposure:	None known.
Long-term Exposure:	As with all dusts, pneumoconiosis, or "dusty lung" disease, may result from chronic exposure.

Acute Toxicity Values - Health

Chemical Name	LD50		LC50 (Inhalation)
	Oral	Dermal	
Mono-ammonium phosphate	5750 mg/kg (rat)	>7940 mg/kg (rabbit)	Not available
Mica	None	None	None
Attapulgite clay	None	None	None
Silicone oil	None	None	None
Calcium carbonate	6450 mg/kg (rat)	500 mg/24 hr (rabbit)	Not available
Amorphous silica	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	>2.2 mg/L (rat)
Yellow 14 pigment	>17000 mg/kg (rat)	>3000 mg/kg (rat)	>4448 mg/m3 (rat)

Reproductive Toxicity:	This product's ingredients are not known to have reproductive or teratogenic effects.
Target Organs and Effects (TOST):	Respiratory system (mild irritant). This product is a mild irritant to epithelial tissue, (eyes, mucous membranes, skin) and may aggravate dermatitis. No information was found indicating the product causes sensitization.

Other Toxicity Categories

Chemical Name	Germ Cell Mutagenicity	Carcinogenicity	Reproductive	TOST Single Exp	TOST Repeated Exp	Aspiration
Mono-ammonium phosphate	None	None	None	Cat 3	None	None
Attapulgite clay	None	None	None	None	None	None
Mica	None	None	None	None	None	None
Silicone oil	None	None	None	None	None	None
Calcium carbonate	None	None	None	None	None	None
Amorphous silica	None	None	None	None	None	None
Yellow 14 pigment	None	None	None	None	None	None

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Negative effects unknown. Provides nutrient nitrogen and phosphorus to plant life.
Persistence/Degradability:	Degrades rapidly in humid/wet environment.
Probability of rapid biodegradation:	NH ₄ H ₂ PO ₄ Est: 0.693 (Rapid); (NH ₄) ₂ SO ₄ : Est: 0.684 (Rapid)
Anaerobic biodegradation probability:	NH ₄ H ₂ PO ₄ Est: 0.398 (Slow); (NH ₄) ₂ SO ₄ : Est: 0.398 (Slow)
Bioaccumulation potential:	Low.
Bioconcentration factor:	NH ₄ H ₂ PO ₄ : 3.16 L/kg (wet weight) (Low BCF)
Bioaccumulation factor:	NH ₄ H ₂ PO ₄ : 63.04 L/kg (wet weight)
Mobility in soil:	Slow evaporation rate; water soluble, may leach to groundwater
Log Koc:	NH ₄ H ₂ PO ₄ Est: -1.25
Log Koa:	NH ₄ H ₂ PO ₄ Est: 16.72
Log Kaw:	NH ₄ H ₂ PO ₄ Est: -20.86
NOTE: NH ₄ H ₂ PO ₄ – Mono-ammonium Phosphate	

Other Adverse Ecological Effects: No other known effects at this time

Aquatic Toxicity Values – Environment – Research

Chemical Name	Acute (LC50)	Chronic (LC50)
Mono-ammonium phosphate	N/A	N/A
Mica	N/A	N/A
Attapulgite clay	N/A	N/A
Silicone oil	N/A	N/A
Calcium carbonate	N/A	N/A
Amorphous silica	N/A	N/A
Yellow 14 pigment	N/A	N/A

Aquatic Toxicity Values – Environment – Estimates

Chemical Name	Acute (LC50)	EC50
Mono-ammonium phosphate	2,91e+07 mg/L Fish 96 hr; 9.4e+06 mg/l Daphnid 48 hr;	6.70e+05 mg/L Gr. Algae 96 hr
Mica	N/A	N/A
Attapulgite clay	N/A	N/A
Silicone oil	N/A	N/A
Calcium carbonate	N/A	N/A
Amorphous silica	N/A	N/A
Yellow 14 pigment	N/A	N/A

Section 13. DISPOSAL CONSIDERATIONS

Safe Handling	Use appropriate PPE when handling, and wash thoroughly after handling (see Section 8).
Waste Disposal Considerations	Dispose in accordance with federal, state, and local regulations.
Contaminated Packaging	Dispose in accordance with federal, state, and local regulations.

NOTES:

This product is not a RCRA characteristically hazardous or listed hazardous waste. Dispose of according to state or local laws, which may be more restrictive than federal laws or regulations. Used product may be altered or contaminated, creating different disposal considerations.

Section 14. TRANSPORT INFORMATION

UN Number:	NA
UN Proper Shipping Name:	NA
Transport Hazard Class:	NA
Packing Group:	NA
Marine Pollutant?:	NO

IATA Not regulated

DOT Not regulated

NOTES:

This product is not defined as a hazardous material under U.S. Department of Transportation (DOT) 49 CFR 172, or by Transport Canada "Transportation of Dangerous Goods" regulations.

Special Precautions for Shipping:

The transportation information above covers the ABC 555 dry chemical extinguisher agent as shipped in bulk containers and not when contained in fire extinguishers or fire extinguisher systems. If shipped in a stored pressure-type fire extinguisher, and pressurized with a non-flammable, non-toxic

inert expellant gas, the fire extinguisher is considered a hazardous material by the US Department of Transportation and Transport Canada. The proper shipping name shall be FIRE EXTINGUISHER and the UN designation is UN 1044. The DOT hazard class/division is LIMITED QUANTITY when pressurized to less than 241 psig and when shipped via highway or rail. UN Class 2.2. Non-Flammable Gas, when shipping via air. Packing Group – N/A

Section 15. REGULATORY INFORMATION

International Inventory Status: All ingredients are on the following inventories

Country(ies)	Agency	Status
United States of America	TSCA	Yes
Canada	DSL	Yes
Europe	EINECS/ELINCS	Yes
Australia	AICS	Yes
Japan	MITI	Yes
South Korea	KECL	Yes

REACH Title XVII Restrictions: No information available

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on Label	Pollution Release and Transfer Registry (Class II)	Pollution Release and Transfer Registry (Class I)	Poison and Deleterious Substances Control Law
Monoammonium Phosphate	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Component	ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA – Harmful Substances Requiring Permission	Toxic Chemical Classification Listing (TCCL) – Toxic Chemicals	Toxic Release Inventory (TRI) – Group I	Toxic Release Inventory (TRI) – Group II
Monoammonium Phosphate 7722-76-1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Attapulgitte clay 12174-11-7 (>3)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Mica-potassium aluminum silicate 120001-26-2 (>2)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Calcium carbonate 471-34-1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Amorphous silica 69012-64-2	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Yellow 14 pigment 5468-75-7	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

European Risk and Safety phrases:

EU Classification:	Xn - Irritant	
R Phrases:	20	Harmful by inhalation.
	36/37/38	Irritating to eyes, respiratory system and skin.
S Phrases:	22	Do not breath dust.
	24/25	Avoid contact with skin and eyes
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	36	Wear suitable protective clothing.

U.S. Federal Regulatory Information:

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) - This product does not contain and chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

None of the chemicals in this product are under SARA reporting requirements or have SARA threshold planning quantities (TPQs) or CERCLA reportable quantities (RQs), or are regulated under TSCA 8(d).

SARA 311/312 Hazard Categories:

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
*-Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

* - Only applicable if material is in a pressurized extinguisher.

Clean Water/Clean Air Acts:

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42) or Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61) and Section 112 of the Clean Air Act Amendments of 1990.

U.S. State Regulatory Information:

Chemicals in this product are covered under specific State regulations, as denoted below:

Alaska - Designated Toxic and Hazardous Substances: None

California – Permissible Exposure Limits for Chemical Contaminants: None

Florida – Substance List: Mica Dust

Illinois – Toxic Substance List: None

Kansas – Section 302/303 List: None

Massachusetts – Substance List: Mica Dust

Minnesota – List of Hazardous Substances: None
Missouri – Employer Information/Toxic Substance List: None
New Jersey – Right to Know Hazardous Substance List: None
North Dakota – List of Hazardous Chemicals, Reportable Quantities: None
Pennsylvania – Hazardous Substance List: None
Rhode Island – Hazardous Substance List: Mica Dust
Texas – Hazardous Substance List: No
West Virginia – Hazardous Substance List: None
Wisconsin – Toxic and Hazardous Substances: None

California Proposition 65: No component is listed on the California Proposition 65 list.

Other:

Mexico – Grade	No component listed
Canada – WHMIS Hazard Class	No component listed

Section 16. OTHER INFORMATION

This SDS conforms to requirements under U.S., U.K., Canadian, Australian, and EU regulations or standards, and conforms to the proposed 2003 ANSI Z400.1 format.

Issuing Date	17-June-2012
Revision Date	13-March-2018
Revision Notes	None

The information herein is given in good faith but no warranty, expressed or implied, is made.
 Updated by William F. Garvin, CIH.

Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

NFPA Fire: 2

Health: 2

Reactivity: 1

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Company Name, Address: **The Fuller Brush Company - P.O. Box 729 - Great Bend, KS 67530**

Product Name: Ant & Roach Spray II

Product Number: 742

Chemical Family: Pressurized solvent based insecticide

Package Size: 12 oz; 340 gr.

EPA Reg. No: 1021-1601-2915

Emergency Telephone No. (620) 792-1711

International:

Preparer: Bill Dayton

Date: 11/15/02

SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

Hazardous Components	CAS#	OSHA TWA	ACGIH TWA	Percent
Isoparaffinic hydrocarbons	64742-47-8	500 ppm	NE	<96
Carbon Dioxide	124-38-9	5000 ppm	5000 ppm	<4
(RS)-2-Methyl-4-oxo-3-(2-propynyl) cyclopent-2-enyl (1RS)-cis, trans-chrysanthemate	Unknown	NE	NE	0.03
Esfenvalerate	Unknown	NE	NE	0.05
N-Octyl bicycloheptene dicarboximide	113-48-4	NE	NE	0.25

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

No Physical Hazards	<input type="checkbox"/>	Flammable Gas	<input type="checkbox"/>	Flammable Liquid/Solid	<input type="checkbox"/>	Water Reactive	<input type="checkbox"/>
Combustible	<input type="checkbox"/>	Flammable Aerosol	<input checked="" type="checkbox"/>	Pyrophoric	<input type="checkbox"/>	Oxidizer	<input type="checkbox"/>
Compressed Gas	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Unstable - Reactive:	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>

Boiling Point, °F: Compressed gas Solubility in Water: Insoluble

Evaporation Rate: <1

Vapor Pressure: 70 psig Specific Gravity (water =1): 0.79

pH: N/A

Vapor Density: Unknown %Volatiles by Weight: 99

Appearance and Odor: Wet aerosol spray, characteristic odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): 170F PMCC

Flammable Limits: LEL: Unknown

UEL: Unknown

Extinguishing Media: Water, CO2, dry chemical

Special Fire Fighting Procedures: Keep aerosols cooled with water to prevent bursting.

Unusual Fire and Explosion Hazards:

FLAMMABLE AEROSOLS: Temperatures in excess of 120F may cause bursting. In event of fire ruptured cans contribute flammable materials. Contents under pressure.

SECTION V - REACTIVITY DATA

Stability: Unstable
Stable Conditions to Avoid: N/A

Incompatibility: Do not mix with any other material.
(Materials to Avoid)

Hazardous Decomposition Products or Byproducts: With extreme heat or fire, typical hydrocarbon by-products are released.

Hazardous Polymerization: May Occur: Will Not Occur:
Conditions to Avoid: N/A

Comments:

Volatile Organic Compounds (VOC)= 0% (calculated)

SECTION VI - HEALTH HAZARD DATA

742

Route (s) of entry:	Inhalation	<input checked="" type="checkbox"/>	Skin:	<input checked="" type="checkbox"/>	Eye:	<input checked="" type="checkbox"/>	Ingestion:	<input type="checkbox"/>	
No Health Hazard	<input type="checkbox"/>	Reproductive toxin	<input type="checkbox"/>	Sensitizer	<input type="checkbox"/>				
Toxic	<input type="checkbox"/>	Irritant	<input checked="" type="checkbox"/>	Carcinogen	<input type="checkbox"/>				
Highly Toxic	<input type="checkbox"/>	Corrosive	<input type="checkbox"/>	See Target Organs	<input checked="" type="checkbox"/>				
TARGET ORGANS									
Lungs	<input checked="" type="checkbox"/>	Eyes	<input checked="" type="checkbox"/>	Blood	<input type="checkbox"/>	Teratogen	<input type="checkbox"/>	Mucous Membranes	<input checked="" type="checkbox"/>
Heart	<input type="checkbox"/>	Skin	<input checked="" type="checkbox"/>	Liver	<input type="checkbox"/>	Central Nervous System	<input checked="" type="checkbox"/>	Autonomic Nervous System	<input type="checkbox"/>
Kidney	<input type="checkbox"/>	Prostate	<input type="checkbox"/>	Mutagen	<input type="checkbox"/>	Cardiovascular System	<input type="checkbox"/>	Respiratory System	<input checked="" type="checkbox"/>
Carcinogenicity:	None Known	<input checked="" type="checkbox"/>	NTP:	<input type="checkbox"/>	IARC:	<input type="checkbox"/>	OSHA Regulated	<input type="checkbox"/>	

Medical Conditions Generally Aggravated by Exposure:

None known

Signs and Symptoms of Exposure:

Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or spray mist. Causes eye irritation. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

Emergency and First Aid Procedures:

If on skin, wash with plenty of soap and water. Get medical attention if irritation persists. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. If in eyes, flush with plenty of water. Call a physician if irritation persists.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:

Eliminate all ignition sources. Mop up, rinse with detergent and water.

Waste Disposal Method:

Do not puncture or incinerate. For single units, wrap in newspaper and dispose in trash container. Dispose of multiple units in accordance with Local, State, and Federal Regulations.

Potential EPA Hazardous Waste Code(s): D001

Steps to be taken in handling and storage:

NFPA "LEVEL 3 AEROSOLS" Do not spray near heat, sparks, or open flame. Store at 40 - 90 F. Read and follow label use directions. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Keep out of reach of

SECTION VIII - CONTROL MEASURES

Respiratory Protection(Specify Type):

Recommended

Ventilation: Local Exhaust:
Mechanical: Required

Special:

Protective Gloves: Recommended Eye Protection: Recommended

Other Protective Clothing and Equipment:

None required

SECTION IX - SHIPPING INFORMATION

DOT Proper Shipping Name and Number:

Consumer Commodity, ORM-D

NE = Not Established

N/A = Not Applicable

SAFETY DATA SHEET

Issuing Date 03-Apr-2015

Revision Date 03-Apr-2015

Revision Number 2



The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publically available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Clean-ups

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Wipes, Cleaning (with Chemical)

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Lee Products Company

Supplier Address 800 E 80th St
Bloomington
MN
55420
US

Supplier Phone Number Phone:612-281-1262
Fax:952-854-7177
Contact Phone952-698-1964

Supplier Email faye.roy@leeproducts.com

Emergency telephone number

2. HAZARDS IDENTIFICATION

Classification


This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious eye damage/eye irritation	Category 2A
-----------------------------------	-------------

GHS Label elements, including precautionary statements



Emergency Overview

Signal word	Warning	
Hazard Statements Causes serious eye irritation		
		
Appearance White	Physical state Pre-Moistened Towelette (free liquids)	Odor Fragranced

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

2.39% of the mixture consists of ingredient(s) of unknown toxicity

Other information

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Isopropyl alcohol	67-63-0	7 - 13	*
Ethylene oxide-Nonylphenol polymer	9016-45-9	1 - 5	*
Benzalkonium chloride	8001-54-5	0.1 - 1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

General Advice

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. If symptoms persist, call a physician.

Skin contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Inhalation

Remove to fresh air. If symptoms persist, call a physician.

Ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects Burning sensation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Uniform Fire Code

Irritant: Liquid
Combustible Liquid: II

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions

Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products Strong oxidizing agents. Acids. Chlorinated compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m ³ TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection None required for consumer use. If splashes are likely to occur: Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties



Physical state	Pre-Moistened Towelette (free liquids)		
Appearance	White	Odor	Fragranced
Color	No information available	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	7	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	100 °C / 212 °F	None known	
Flash Point	38 C / 100.4 F	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Specific Gravity	.99	None known	
Water Solubility	Completely soluble	None known	
Solubility in other solvents	No data available	None known	
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Explosive properties	No data available	None known	
Oxidizing properties	No data available		

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

10. STABILITY AND REACTIVITY**Reactivity**

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong oxidizing agents. Acids. Chlorinated compounds.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Irritating to eyes. Expected to be an irritant based on components. May cause temporary eye irritation.
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rabbit)	= 16000 ppm (Rat) 8 h
Ethylene oxide-Nonylphenol polymer 9016-45-9	-	= 1780 µL/kg (Rabbit)	-
Benzalkonium chloride 8001-54-5	= 240 mg/kg (Rat)	= 1420 mg/kg (Rat)	-

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 67-63-0		Group 3		X

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity No known effect based on information supplied.

Target Organ Effects Eyes. Respiratory system. Skin. Blood. Cardiovascular system. Kidney. Liver. Spleen. Systemic Toxicity.

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)

36,633.00 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl alcohol 67-63-0	96h EC50: > 1000 mg/L (Desmodesmus subspicatus) 72h EC50: > 1000 mg/L (Desmodesmus subspicatus)	96h LC50: > 1400000 µg/L (Lepomis macrochirus) 96h LC50: = 11130 mg/L (Pimephales promelas) 96h LC50: = 9640 mg/L (Pimephales promelas)		48h EC50: = 13299 mg/L
Benzalkonium chloride 8001-54-5		96h LC50: 0.223 - 0.46 mg/L (Lepomis macrochirus) 96h LC50: 0.823 - 1.61 mg/L (Oncorhynchus mykiss) 96h LC50: = 2.4 mg/L (Oryzias latipes) 96h LC50: = 1.3 mg/L (Poecilia reticulata)	EC50 = 0.6 mg/L 15 min	

Persistence and Degradability

No information available.

Bioaccumulation

Chemical Name	Log Pow
Isopropyl alcohol 67-63-0	0.05

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

California Hazardous Waste Codes 331

Chemical Name	California Hazardous Waste
Isopropyl alcohol 67-63-0	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

NOT REGULATED (IF SHIPPED IN NON BULK PACKAGING BY GROUND TRANSPORT)

Proper Shipping Name NON-REGULATED
Hazard Class N/A
Description NOT REGULATED
Emergency Response Guide Number 127

TDG

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Description UN1987, ALCOHOLS, N.O.S., 3, III

MEX

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Description UN1987, ALCOHOLS, N.O.S., 3, III

ICAO

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Description UN1987, ALCOHOLS, N.O.S., 3, III

IATA

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III



Description UN1987, ALCOHOLS, N.O.S., 3, III

IMDG/IMO

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
EmS-No. F-E, S-E
Description UN1987, ALCOHOLS, N.O.S., 3, III, FP 28C

RID

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Classification code F1
Description UN1987, ALCOHOLS, N.O.S., 3, III

ADR

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Classification code F1
Description UN1987, ALCOHOLS, N.O.S., 3, III

ADN

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Classification code F1
Special Provisions 601, 274
Description UN1987, ALCOHOLS, N.O.S., 3, III
Hazard Labels 3
Limited Quantity 5 L
Ventilation VE01

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl alcohol - 67-63-0	67-63-0	7 - 13	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes



Fire Hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Isopropyl alcohol 67-63-0	X	X	X	X	

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Isopropyl alcohol 67-63-0 (7 - 13)		Mexico: TWA 400 ppm Mexico: TWA 980 mg/m ³ Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m ³

Mexico - Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 3	Instability 0	Physical and Chemical Hazards - Personal Protection X
HMIS	Health Hazards 2	Flammability 1	Physical Hazard 0	

Prepared By Product Stewardship
 23 British American Blvd.
 Latham, NY 12110
 1-800-572-6501

Issuing Date 03-Apr-2015
Revision Date 03-Apr-2015
Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at



the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet





The Clorox Company
1221 Broadway
Oakland, CA 94612
Tel. (510) 271-7000

Material Safety Data Sheet

I Product:	CLOROX® DISINFECTING WIPES	
Description:	FRAGRANCED, MOISTENED TOWELETTE	
Other Designations	Distributor	Emergency Telephone Nos.
EPA Reg. No. 5813-58	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300

II Health Hazard Data	III Hazardous Ingredients														
<p>Eye Contact: Can cause moderate eye irritation.</p> <p>Ingestion: Liquid should be practically non-toxic if ingested.</p> <p>Skin Contact: Prolonged skin contact may produce minor irritation.</p> <p>FIRST AID: EYES- Flush with plenty of water. Call a physician if irritation persists. IF SWALLOWED- Drink a glassful of water. Call a physician or poison control center. SKIN- Wash thoroughly with soap and water after handling. INHALATION- If breathing is affected, move to fresh air.</p> <p>Under normal consumer use conditions the likelihood of any adverse health effects are low.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>n-Alkyl (C14, 60%; C16, 30% C12, 5%; C18, 5%) dimethylbenzyl ammonium chloride</td> <td>0.145%</td> <td>Not established</td> </tr> <tr> <td>n-Alkyl (C12, 68%, C14, 32%) Dimethyl Ethylbenzyl ammonium chloride</td> <td>0.145%</td> <td>Not established</td> </tr> <tr> <td>Isopropanol CAS #67-63-0</td> <td>1- 5%</td> <td>400 ppm/500 ppm¹ 400 ppm²</td> </tr> </tbody> </table> <p>¹1998 ACGIH, TLV-TWA/STEL TLV-TWA- Threshold Limit Value-Time Weighted Average. STEL- Short Term Exposure Limit ²PEL- OSHA Permissible Exposure Limit</p> <p>None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	n-Alkyl (C14, 60%; C16, 30% C12, 5%; C18, 5%) dimethylbenzyl ammonium chloride	0.145%	Not established	n-Alkyl (C12, 68%, C14, 32%) Dimethyl Ethylbenzyl ammonium chloride	0.145%	Not established	Isopropanol CAS #67-63-0	1- 5%	400 ppm/500 ppm ¹ 400 ppm ²		
Ingredient	Concentration	Worker Exposure Limit													
n-Alkyl (C14, 60%; C16, 30% C12, 5%; C18, 5%) dimethylbenzyl ammonium chloride	0.145%	Not established													
n-Alkyl (C12, 68%, C14, 32%) Dimethyl Ethylbenzyl ammonium chloride	0.145%	Not established													
Isopropanol CAS #67-63-0	1- 5%	400 ppm/500 ppm ¹ 400 ppm ²													

IV Special Protection and Precautions	V Transportation and Regulatory Data
<p>No special protection or precautions have been identified for using this product under directed consumer use conditions.</p> <p>The following recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale or prolonged exposure.</p> <p>Hygienic Practices- Wear safety glasses. Use rubber or nitrile gloves if in contact liquid, especially for prolonged periods.</p> <p>Engineering Controls: Use general ventilation to minimize exposure to vapor or mist.</p> <p>Work Practices: Avoid eye and skin contact and inhalation of vapor or mist. Avoid contact with food. Not for personal cleansing.</p> <p>KEEP OUT OF THE REACH OF CHILDREN</p>	<p>U.S. DOT, IATA, IMG Hazard Class: Not restricted.</p> <p>U.S. DOT Proper Shipping Name: None</p> <p>EPA- SARA Title III/CERCLA: Product may be regulated under Sections 311/312. This product contains no chemicals regulated under Section 304/CERCLA or Section 313.</p> <p>TSCA/DSL: All chemicals in this product are listed on the TSCA Inventory. The DSL status for some components has not been determined.</p>

VI Spill Procedures/Waste Disposal	VII Reactivity Data
<p>Spill Procedures: Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed down material.</p> <p>Waste Disposal: Disposal must be made in accordance with applicable federal, state and local regulations.</p>	<p>Stability: Mixing with sodium hypochlorite may release small amounts of formaldehyde gas.</p> <p>Storage/Disposal: Do not use or store near heat or open flame.</p>

VIII Fire and Explosion Data	IX Physical Data
<p>Flashpoint: >119°F Method: Closed cup. Unusual Fire and Explosion Hazards: None</p>	<p>Flashpoint..... >119°F Specific Gravity..... 0.99 g/cc. pH..... 5.0-6.0 Solubility in Water..... Liquid is completely dispersible</p>

©1963, 1991 THE CLOROX COMPANY
DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH DATE PREPARED 7/06



Compucessory Power Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 10/13/2015

Revision date: 10/26/2017

Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Substance name : Compucessory Power Duster
Product code : CCS24300/SPJR; CCS24305/SPXL; CCS24302/SPXL2; CCS24306/SPXL6; CCS24313/SPM

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Dust Removal

1.3. Details of the supplier of the safety data sheet

Falcon Safety Products, Inc.
25 ImClone Drive
Branchburg, NJ 08876 - USA
T (908) 707-4900

1.4. Emergency telephone number

Emergency number : (800) 498-7192

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

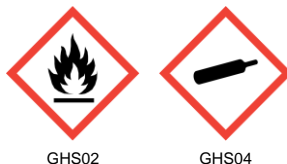
GHS-US and GHS-CA classification

Flam. Aerosol 2
Press. Gas (Liquified Gas)

2.2. Label elements

GHS-US and GHS-CA labelling

Hazard pictograms (GHS-US/GHS-CA) :



Signal word (GHS-US/GHS-CA) : Warning
Hazard statements (GHS-US/GHS-CA) : Flammable aerosol. Contains gas under pressure; may explode if heated.
Precautionary statements (GHS-US/GHS-CA) : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.

2.3. Other hazards

Do not store in enclosed vehicle.

2.4. Unknown acute toxicity (GHS US/GHS CA)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance

Name	Product identifier	%
1,1-Difluoroethane	(CAS No) 75-37-6	100

3.2. Mixture

Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists. May cause frostbite.

Compucessory Power Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression.
- Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite on contact with the liquid.
- Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite on contact with the liquid.
- Symptoms/injuries after ingestion : Not a normal route of exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray, water fog, dry chemical, alcohol resistant foam, carbon dioxide.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

- Firefighting instructions : DO NOT fight fire when fire reaches explosives. Evacuate area. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.
- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

6.2. Methods and material for containment and cleaning up

- For containment : Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).
- Methods for cleaning up : Leave the product to evaporate. Provide ventilation.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use. Keep away from sources of ignition - No smoking.
- Precautions for safe handling : Do not spray on an open flame or other ignition source. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Provide local exhaust or general room ventilation. When using do not eat, drink or smoke. Prevent the build-up of electrostatic charge. Use non-sparking tools.
- Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep out of the reach of children. Keep container dry and in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep in fireproof place. Store in original container. Do not store in enclosed vehicle.

7.3. Specific end use(s)

Not available.

Compucessory Power Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1,1-Difluoroethane (75-37-6)	
ACGIH	Not applicable.
OSHA	Not applicable.
NIOSH	Not applicable.
IDLH	Not applicable.

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear suitable gloves.
Eye protection	: Safety glasses with side shields.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Appearance	: Clear
Color	: Colourless
Odor	: Slight, ether-like
Odor threshold	: No data available
pH	: Neutral
Melting point	: No data available
Freezing point	: No data available
Boiling point	: -13 °F (- 25 °C)
Flash point	: < 58 °F (<14.4 °C)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Flammable
Explosion limits	: 3.9-16.9
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: 5960 kPa at 77 °F (25 °C)
Relative density	: 0.91
Relative vapor density at 20 °C	: 2.4 at 77 °F (25 °C)
Specific gravity / density	: 0.9
Solubility	: Slightly
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available.

Compucessory Power Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions. Flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials. Sources of ignition. Do not expose to temperatures exceeding 50 °C/ 122 °F.

10.5. Incompatible materials

Alkali and alkaline earth metals. Powdered metals. Powdered metallic salts.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Compucessory Power Duster	
LD50 oral rat	1500 mg/kg
LD50 dermal rabbit	No data available
LC50 inhalation rat	64000 ppm

Skin corrosion/irritation	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression.
Symptoms/injuries after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite on contact with the liquid.
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite on contact with the liquid.
Symptoms/injuries after ingestion	: Not a normal route of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Compucessory Power Duster	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Compucessory Power Duster	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

Compucessory Power Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Container under pressure. Do not drill or burn even after use.
- Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

- In accordance with DOT
- UN-No. (DOT) : UN1030
- Proper Shipping Name (DOT) : 1,1-Difluoroethane
- Transport hazard class(es) (DOT) : 2.1
- Hazard labels (DOT) :



- Packaging Exceptions : Falcon Safety Products has been granted a DOT special permit. A copy of DOT Special Permit SP-11516 can be obtained by calling Falcon Safety Products, Inc. at 908-707-4900.

Transportation of Dangerous Goods (TDG)

- In accordance with TDG
- UN-No.(TDG) : UN1030
- Proper Shipping Name (TDG) : 1,1-Difluoroethane
- Class (TDG) : 2.1
- Hazard labels (TDG) :



- Packaging Exceptions : TDG Canada: Falcon Safety Products has been granted Equivalency Certificate SU 9211 (ren. 1) by the TCSS, TDGD to offer for transport by road, rail and marine.

Transport by sea

- UN-No. (IMDG) : UN1030
- Proper Shipping Name (IMDG) : 1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)
- Class (IMDG) : 2.1

Air transport

- UN-No. (IATA) : UN1030
- Proper Shipping Name (IATA) : 1,1-Difluoroethane
- Class (IATA) : 2.1

Additional information

- Other information : No supplementary information available.
- Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

1,1-Difluoroethane (75-37-6)

Listed on the Canadian DSL (Domestic Substances List)

15.2. US State regulations

Compucessory Power Duster

State or local regulations : This product does not contain a chemical known to the State of California to cause cancer,

Compucessory Power Duster

Safety Data Sheet

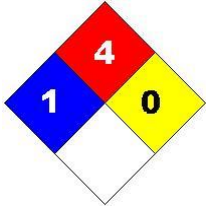
according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Compucessory Power Duster	
	birth defects or other reproductive harm.

SECTION 16: Other information

Date of issue : 10/13/2015
Revision date : 10/26/2017
Other information : None.

Mexico Classification:



Blue = Health Red = Flammability Yellow = Reactivity White = Special
Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

Section 1. Identification

Product name : Expo White Board Cleaner

Material uses : Cleaning solutions.

Manufacturer : Newell Rubbermaid
3500 Lacey Road, 10th Floor
Downers Grove, IL 60515
USA
800-323-0749 or 630-829-2500

Emergency telephone number (with hours of operation) : CHEMTREC (U.S. and Canada) 1-800-424-9300

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : Not applicable

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Read label before use. If medical advice is needed, have product container or label at hand.

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
3-butoxypropan-2-ol	2 - 5	5131-66-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 3. Composition/information on ingredients

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

- Physical state** : Liquid.
- Color** : Clear.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Not available.
- Burning time** : Not applicable.
- Burning rate** : Not applicable.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : Not available.
- Solubility** : Not available.
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- SADT** : Not available.
- Viscosity** : Not available.

Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
3-butoxypropan-2-ol	LD50 Dermal	Rabbit	3100 mg/kg	-

Irritation/Corrosion

No known significant effects or critical hazards.

Sensitization

No known significant effects or critical hazards.

Mutagenicity

No known significant effects or critical hazards.

Carcinogenicity

No known significant effects or critical hazards.

Reproductive toxicity

No known significant effects or critical hazards.

Teratogenicity

No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

No known significant effects or critical hazards.

Specific target organ toxicity (repeated exposure)

No known significant effects or critical hazards.

Aspiration hazard

No known significant effects or critical hazards.

Information on the likely routes of exposure : Not available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Section 11. Toxicological information

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Dermal	63798.6 mg/kg

Section 12. Ecological information

Toxicity

No known significant effects or critical hazards.

Persistence and degradability

No known significant effects or critical hazards.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
3-butoxypropan-2-ol	1.2	-	low

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b):** All components are listed or exempted.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
3-butoxypropan-2-ol	2 - 5	Yes.	No.	No.	Yes.	No.

California Prop. 65

This product does not contain Chemicals known to State of California to cause cancer, birth defects, or reproductive harm.

Canada

WHMIS (Canada) : Not controlled under WHMIS (Canada).

Canadian lists

Canadian NPRI : The following components are listed: Propylene glycol butyl ether

CEPA Toxic substances : None of the components are listed.

Canada inventory : All components are listed or exempted.

Section 16. Other information

History

Date of issue/Date of revision : 8/5/2015

Date of previous issue : No previous validation

Version : 1

Prepared by : Product Safety.

Section 16. Other information

Key to abbreviations

: ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
UN = United Nations

▣ Indicates information that has changed from previously issued version.

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.



FABULOSO ALL PURPOSE CLEANER OCEAN COOL

This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Version 1.0

Revision Date 04/02/2013

Print Date 04/02/2013

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : FABULOSO ALL PURPOSE CLEANER OCEAN COOL
MSDS Number : 200000034459
CAS-No. : Not applicable - product is a mixture
General Use : Formulated all purpose cleaner for household use.

Company : Colgate-Palmolive Co
 300 Park Avenue
 New York, NY 10022

Telephone : (800) 432-8226
Emergency telephone number : For emergencies involving spill, leak, fire, exposure or accident call CHEMTREC (24hr) at (800) 424-9300 or (703) 527-3887.

Medical Emergency (24HR): For MEDICAL EMERGENCIES involving this product call: (888) 489-3861

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form : Liquid
Appearance : Blue
Odour : Characteristic

Potential Health Effects

Eye contact : Causes eye irritation on direct contact.
Skin contact : May cause skin irritation upon prolonged contact.
Inhalation : No adverse effects due to inhalation are expected.
Ingestion : May be harmful if swallowed in large quantities.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

OSHA-REGULATED COMPONENTS (present at a concentration of > or = 1%)

Chemical Name	CAS-No.	Concentration *
PROPYLENE GLYCOL PROPYL ETHER	1569-01-3	1.00 - 5.00
SODIUM DODECYL BENZENE SULFONATE	25155-30-0	1.00 - 5.00

FABULOSO ALL PURPOSE CLEANER OCEAN COOL

This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Version 1.0

Revision Date 04/02/2013

Print Date 04/02/2013

(LINEAR)

*All concentrations are present by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Carcinogenicity:

Listed Carcinogens: The following components, present at a concentration of > or = 0.1%, are listed as carcinogens or potential carcinogens by either the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), OSHA or ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 4. FIRST AID MEASURES

First aid procedures

- Eye contact** : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- Skin contact** : Flush skin with large amounts of water. If irritation develops and persists, get medical attention.
- Inhalation** : Remove victim to fresh air. Get medical attention, if symptoms persist.
- Ingestion** : Drink 8 ounces of clear water. Get medical attention.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

Flash point : > 200 °F (> 93 °C)

Fire fighting

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Protective equipment and precautions for firefighters



FABULOSO ALL PURPOSE CLEANER OCEAN COOL

This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Version 1.0

Revision Date 04/02/2013

Print Date 04/02/2013

Special protective equipment for firefighters : Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use personal protection recommended in Section 8 of the MSDS.

Methods for containment / Methods for cleaning up : Cover with inert, absorbent material and remove to disposal container. Spill area may be slippery. Flush with plenty of water.

SECTION 7. HANDLING AND STORAGE

Storage

Requirements for storage areas and containers : Store at controlled room temperature at 20-25°C (68-77°F).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Engineering Controls : In an industrial work environment, no special precautions or control measures are required.

Personal protective equipment

Protective measures : In an industrial work environment, if a splash is likely, chemical goggles may be needed. Prolonged skin contact may require protective gloves. For consumer use, no unusual precautions are necessary.

General Hygiene Considerations : In an industrial work environment, avoid eye and prolonged skin contact.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid

Appearance : Blue

Odour : Characteristic



FABULOSO ALL PURPOSE CLEANER OCEAN COOL

This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Version 1.0

Revision Date 04/02/2013

Print Date 04/02/2013

Flash point : > 200 °F (> 93 °C)

pH : 7.0

SECTION 10. STABILITY AND REACTIVITY

Materials to avoid : Remarks: Strong oxidizing agents

Hazardous decomposition products : Note: None known.

Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of the MSDS.

SECTION 12. ECOLOGICAL INFORMATION

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environment agency for specific rules). Do not dump in sewers, any body of water or on the ground.

SECTION 14. TRANSPORT INFORMATION

DOT : Not regulated.

TDG : Not regulated.

IATA : Not regulated.



FABULOSO ALL PURPOSE CLEANER OCEAN COOL

This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Version 1.0

Revision Date 04/02/2013

Print Date 04/02/2013

IMDG : Not regulated.

SECTION 15. REGULATORY INFORMATION

US Regulations

SARA

Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A) : FORMALDEHYDE
Sulfuric Acid

CERCLA Hazardous Substance List (40 CFR 302.4) - Reportable Quantity : 74074 lbs
SODIUM DODECYL BENZENE SULFONATE (LINEAR)
1666667 lbs
FORMALDEHYDE
3846154 lbs
Sulfuric Acid

Clean Air Act

Clean Air Act 111 Standards of Performance for New Stationary Sources : FORMALDEHYDE

Clean Water Act

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) : FORMALDEHYDE
Sulfuric Acid
SODIUM DODECYL BENZENE SULFONATE (LINEAR)

State Regulations

FABULOSO ALL PURPOSE CLEANER OCEAN COOL

This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Version 1.0

Revision Date 04/02/2013

Print Date 04/02/2013

Massachusetts Right-To-Know List : FORMALDEHYDE

Sulfuric Acid

SODIUM DODECYL BENZENE SULFONATE (LINEAR)

New Jersey Right-To-Know List : WATER

SODIUM DODECYL BENZENE SULFONATE (LINEAR)

PROPYLENE GLYCOL PROPYL ETHER

Pennsylvania Right-To-Know List : WATER

SODIUM DODECYL BENZENE SULFONATE (LINEAR)

Canada

Canadian Workplace Hazardous Materials Information System (WHMIS) Listed Material : SODIUM DODECYL BENZENE SULFONATE (LINEAR)

Canadian Controlled Products Regulations: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Other Information

TSCA Section 8(b) Status : All ingredients in this product are listed on the TSCA Inventory or are not required to be listed on the TSCA Inventory.

In accordance with OSHA 29 CFR 1910.1048 formaldehyde is not listed in Section 3 of this MSDS, however, formaldehyde is regulated by State and Federal regulations at varying concentrations. State and Federal information can be found above in Section 15.

SECTION 16. OTHER INFORMATION

Further information

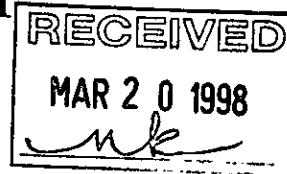
MSDS Number : 200000034459

Disclaimer: The information on this sheet is limited to the material identified and is believed by the Colgate-Palmolive Company to be correct based on its knowledge and information as of the date noted. Colgate makes no representation, guarantee or warranty, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material.

MATERIAL SAFETY DATA SHEET



DowBrands L.P.
P.O. Box 68511
Indianapolis, IN 46268
24-Hour Emergency Phone Number: 1-800-428-4795



Page 1 of 2

1. PRODUCT IDENTIFICATION

Product Name: FANTASTIK® All Purpose Cleaner
MSDS Code: 20281
Chemical Formula: Mixture
CAS Number: None

2. INGREDIENTS

<u>MATERIAL</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>EXPOSURE LIMIT/SOURCE</u>
Propylene glycol n-butyl ether	5131-66-8	< 4	None established/ACGIH Moderate eye irritant/Mfr.

Also contains surfactants, chelating agent, fragrance, and water.

Ingredients not precisely identified are proprietary and non hazardous. All ingredients appear on the EPA TSCA Inventory.

3. HAZARDS IDENTIFICATION

None anticipated

KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS:

Eyes: Prolonged contact with eyes may cause temporary irritation.
Skin: Prolonged contact with skin may cause temporary irritation.
Inhalation: None anticipated

4. FIRST AID MEASURES

Eyes: If prolonged contact with eyes occurs, thoroughly rinse with plenty of water. If irritation persists, get medical attention.
Skin: If prolonged contact with skin causes irritation, wash off with water. If irritation persists, get medical attention.
Inhalation: If discomfort from prolonged inhalation develops, remove patient to fresh air and get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: None at/or below 220°F.
Flammability Limits: None
Extinguishing Media: Use water, CO₂, dry chemicals or foam.
Fire and Explosion Hazards: None
Fire fighting Equipment: Fire fighters should wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Absorb and wipe up or rinse away with water.
Large Spills: Dike far ahead of spill and collect for later disposal.
Waste Disposal: Follow all local, state and federal regulations. Notify waste treatment plant in case of large spill.

® = Trademark of DowBrands < = less than > = greater than ca = approximately

MATERIAL SAFETY DATA SHEET

DowBrands L.P. - P.O. Box 68511 - Indianapolis, IN 46268 - 24-Hour Emergency Phone Number: 1-800-428-4795

Product Name: FANTASTIK® All Purpose Cleaner

MSDS Code: 20281

Page 2 of 2

7. HANDLING AND STORAGE

Spot test on painted surfaces before use. Do not use on varnished surfaces and do not mix with other chemicals.
Use only as directed. STORE OUT OF REACH OF CHILDREN.

8. PERSONAL PROTECTION

Respiratory Protection:	Not required	Protective Gloves:	Not required
Ventilation:	Normal	Eye Protection:	Not required
Other Protective Measures:	None		

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point, 760 mm Hg:	ca 212°F	Specific Gravity (H ₂ O = 1):	1.000
Vapor Density:	1	Solubility in Water:	Complete
Vapor Pressure at 20°C:	17.5 mm Hg	Evaporation Rate (water = 1):	1
Volatiles by Volume @ 70°F, %:	Negligible	pH:	12.1
Appearance and Odor:	Clear liquid with fresh scent.		

10. STABILITY AND REACTIVITY

Stability:	Stable	Incompatibility:	None Known
Conditions to Avoid:	None	Hazardous Polymerization:	Will not occur
Hazardous Decomposition:	None		

11. TOXICOLOGICAL INFORMATION

Tested and labeled to CPSC/FHSA requirements. Contains no listed carcinogens.
The Dermal LD₅₀ is > 2000 mg/kg on rabbits.
The Oral LD₅₀ is > 5000 mg/kg in rats.
This product is neither a primary eye nor primary skin irritant per FHSA tests.

12. OTHER INFORMATION

HAZARD RATING: Fire: 0 Toxicity: 0 Reactivity: 0

HAZARD RATING SCALE:

0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme

TRANSPORTATION:

DOT Labeling: None
DOT Proper Shipping Name: Not Regulated
DOT Hazard Class: None
U.S. Surface Freight Classification: Cleaning Compound, Liquid, NOI

Effective Date: 2/96 Supersedes: 7/94
Prepared by: BBW Reviewed by: HCH; BBW; CJM

This MSDS has been revised in the following section(s): New format

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws.

® = Trademark of DowBrands

< = less than

> = greater than

ca = approximately

Subject: Your Request for Material Safety Data Sheet(s)

Dear Customer:

DowBrands is pleased to provide for your use the following Material Safety Data Sheet (MSDS) which contains health and safety information. This takes preference over and supersedes any previous Material Safety Data Sheet you may have previously received for this product.

MSDS are being furnished in response to your request and many others from our customers who are gathering information on the health and safety of all products used in the work place to aid them in meeting their obligation to provide safe working conditions under the Federal Occupational Safety & Health Administration and the various state "Right to Know" Acts.

Our consumer products are labeled in accordance with the Federal Hazardous Substances Act and regulated by the Consumer Product Safety Commission. Our disinfectants are labeled in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act and are regulated by the U.S. Environmental Protection Agency.

The information provided on each MSDS sheet is offered in good faith, consistent with 29 CFR 1910.1200, recognizing that additional information, including data on hazardous properties may be developed at a later time. Exercise due care and contact DowBrands (1-800-428-4795) should you require additional product information.

We expect that the enclosed Material Safety Data Sheet(s) will satisfy your immediate requirements. Should you need additional MSD Sheets, please write to the following address or call 1-800-428-4795.

DowBrands
Attn: Consumer Affairs
P.O. Box 68511
Indianapolis, IN 46268-0511

Sincerely,

Brian B. Wessels

Brian B. Wessels
Regulatory Affairs Advisor

Enclosure(s)



SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

Fellowes, Inc.
1789 Norwood Avenue
Itasca, IL 60143-1095
USA
Telephone: 630.893.1600
Fax: 630.893.1648
Toll Free: 800.945.4545

Product Name: 35250 Fellowes Powershred Shredder Lubricant
Description: Lubricant

SECTION 2: HAZARD IDENTIFICATION

Inhalation: May cause slight irritation.
Eyes: May cause slight irritation.
Skin: May cause slight irritation.
Ingestion: May cause gastrointestinal discomfort.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name:</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>Maximum Weight :</u>
Canola Oil	120962-03-0		>99%

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air.
Eyes: Flush with water.
Skin: Wash with soap and water.
Ingestion: Do not induce vomiting. Seek medical attention.

SECTION 5: FIREFIGHTING MEASURES

Flash Point: >500F (260C) Closed Cup
Flammability Limits in Air by volume: **Lower:** Not explosive **Upper:** Not explosive
Extinguishing Media: Do not use water jet. Use dry chemical, halon, carbon dioxide, water spray, fog, or foam.
Special Firefighting Measures: None
Unusual Hazards: None



SECTION 6: ACCIDENTAL RELEASE MEASURES

Use absorbent material and dispose of appropriately. For large spills, keep product out of sewers and advise authorities if product has entered sewers. Surfaces may become slippery after spillage.

SECTION 7: HANDLING AND STORAGE

Handling: Keep away from heat and sources of ignition.
Storage: Do not store near heat or flame. Store away from strong oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes and Face: None necessary when product is used as intended.
Clothing: No special protective clothing when used as intended.
Respiratory: None necessary when product is used as intended.
Ventilation: Normal ventilation is adequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: >575F
Evaporation Rate: Not available
Specific Gravity: 0.92 g/ml (7.67 lb/gal) @ 25C
Solubility in Water: Not soluble
Appearance/Odor: Yellow to amber liquid; faint fatty odor.

SECTION 10: STABILITY AND REACTIVITY

Stable: Stable under normal conditions.
Conditions to Avoid: Keep away from heat and open flame. Avoid strong oxidizing agents.
Chemical Incompatibility: Strong oxidizers
Hazardous Decomposition: Combustion produces carbon monoxide, carbon dioxide, along with thick smoke.
Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Not listed on NTP, OSHA, or IARC.



SECTION 12: ECOLOGICAL INFORMATION

This product is biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose in accordance with Federal, State, and Local Regulations.

Additional Information: "Empty" containers should be completely drained.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated as a hazardous material.

IATA: Not regulated as a hazardous material.

IMO: Not regulated as a hazardous material.

SECTION 15: REGULATORY INFORMATION

United States: The components used in this product are listed on the Toxic Substances Control Act.

Canada: All components are listed on the Canadian DSL.

EU: Currently not classified according to EEC Directives.

Additional: None

SECTION 16: OTHER INFORMATION

According to 29 CFR 1910.1200(b)(6)(ix) of the Code of Federal Regulations, amended July 1, 2007, the Fellowes product described in this Material Safety Data Sheet is exempt from the Hazard Communication Standard. The information contained in this MSDS is not meant to imply that this Fellowes product is covered by the OSHA Hazard Communication Standard nor meant to comply with the OSHA Hazard Communication Standard.

HMIS RATING	
Health	0
Flammability	1
Physical Hazard	0
Personal Protection	N/A

February 10, 2012

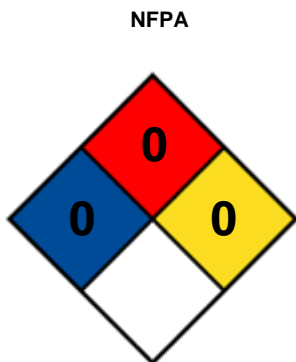
**GHS SAFETY DATA SHEET
FOLEX
INSTANT CARPET SPOT REMOVER**

**SECTION 1
PRODUCT IDENTIFICATION & SUPPLIER**

PRODUCT NAME:	FOLEX INSTANT CARPET SPOT REMOVER
RECOMMENDED USE:	CLEANING CHEMICAL BLEND
MANUFACTURED BY:	FOLEXPOR, INC. RDH CHEMICAL COMPANY FOLEX COMPANY
ADDRESS:	PO Box 789 TUALATIN, OR 97062
WEB ADDRESS:	www.folex.net
PHONE NUMBER FOR INFORMATION:	800-253-6102
EMERGENCY PHONE NUMBER:	877-834-1552 (CERTS™) FOR CHEMICAL EMERGENCY ONLY
DATE REVISED:	November 11, 2013
NAME OF PREPARER:	CLIFFORD M. CANTRELL

**SECTION 2
HAZARD IDENTIFICATION**

GHS HAZARD CLASSIFICATION:	NOT HAZARDOUS
US DOT HAZARD CLASSIFICATION:	NOT HAZARDOUS
US EPA SARA TITLE III HAZARD CATEGORIES:	NONE



HMIS

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

PERSONAL PROTECTION

**SECTION 3
COMPOSITION/INGREDIENT INFORMATION**

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	OTHER (STEL)	% or RANGE	S K
NONE REQUIRING REPORTING AS DEFINED UNDER 29 CFR 1910.1200						

**SECTION 4
FIRST AID MEASURES**

Medical Conditions Generally Aggravated by Exposure: Unknown

Emergency and First Aid Procedures:

EYE CONTACT: Immediately flush eyes in clear running water. If irritation results and persists, GET MEDICAL ATTENTION.

SKIN CONTACT: Rinse with warm water. If irritation results and persists, apply skin lotion.

INGESTION: Immediately drink large quantities of water. Avoid alcohol. Do not administer fluids to an unconscious person. Do not induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION: Remove victim to fresh air. If breathing does not return to normal, seek medical advice.

**SECTION 5
FIRE FIGHTING MEASURES**

Flash Point (Method Used): None **Flammable Limits: LEL: N/A UEL: N/A**

Extinguishing Media: As appropriate to surrounding fire.

Special Fire Fighting Procedures: As appropriate to surrounding fire.

Unusual Fire and Explosion Hazards: None.

**GHS SAFETY DATA SHEET
FOLEX
INSTANT CARPET SPOT REMOVER**

**SECTION 6
ACCIDENTAL RELEASE MEASURES**

Steps to Be Taken in Case Material is Released or Spilled:

SMALL SPILLS: Flush to sanitary sewer.
Waste Disposal Method: Small quantities may be disposed of as sanitary waste. Consign wastes in excess of one gallon to an approved waste disposal facility. Uncontaminated product is not a RCRA hazardous waste.

**SECTION 7
HANDLING & STORAGE**

Precautions to Be Taken in Handling and Storing: Do not freeze. Keep container closed when not in use.
Other Precautions: KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN.

**SECTION 8
EXPOSURE CONTROL/PERSONAL PROTECTION**

Respiratory Protection (Specify Type): Not necessary under normal & intended conditions of use.

Ventilation: Not required.
Protective Gloves: Not required
Eye Protection: Not required.
Other Protective Clothing or Equipment: As required for sanitary purposes.
Work/Hygienic Practices: Normal hygiene practices. Wash hands before eating, drinking, smoking or using bathroom facilities. Use good housekeeping practices.

**SECTION 9
PHYSICAL & CHEMICAL PROPERTIES**

Boiling Point:	212°F	Specific Gravity (H2O=1)	1.0002 – 1.0012
Vapor Pressure (mm Hg)	17	Melting Point	< 32°F
Vapor Density (Air=1)	2.4	Evaporation Rate (Water=1)	1
Solubility in Water:	Complete		
Appearance and odor:	Clear light red liquid with no odor		
VOC Content:	NONE		

**SECTION 10
STABILITY & REACTIVITY**

Stability: STABLE.
Incompatibility (Materials to Avoid): Do not mix with other chemicals.
Hazardous Decomposition or Byproducts: None.
Hazardous Polymerization: Will Not Occur

**SECTION 11
TOXOLOGICAL INFORMATION**

Route(s) of Entry: Inhalation? No Skin? Yes Ingestion? Yes Eyes? Yes
Health Hazards (Acute and Chronic): None known.
Carcinogenicity:
NTP? Ingredients not listed.
IARC Monographs? Ingredients not listed.
OSHA Regulated? Ingredients not listed.
Signs and Symptoms of Exposure:
INHALATION: Not an expected route of exposure.
INGESTION: May cause gastric distress, and diarrhea
SKIN CONTACT: Not irritating.
EYE CONTACT: Not irritating. May cause burning sensation, tearing.

**SECTION 12
ECOLOGICAL INFORMATION**

ECOTOXICITY: No data available. Not considered toxic to marine or terrestrial plants or animals
PERSISTANCE & BIODIGRADABILITY: Surface active components meet biodegradability standards
OTHER ECOLOGICAL DATE: None available

**GHS SAFETY DATA SHEET
FOLEX
INSTANT CARPET SPOT REMOVER**

**SECTION 13
DISPOSAL CONSIDERATIONS**

Waste Disposal Method: Small quantities may be disposed of as sanitary waste. Consign wastes in excess of one gallon to an approved waste disposal facility. Uncontaminated product is not a RCRA hazardous waste.
WASTE DISPOSAL METHODS: DISPOSE OF IN AN AUTHORIZED WASTE FACILITY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**SECTION 14
TRANSPORT INFORMATION**

DOT SHIPPING NAME: CHEMICALS, NOS (NOT DOT/IMO HAZARDOUS)
DOT HAZARD LABEL: NONE

**SECTION 15
REGULATORY INFORMATION**

SARA TITLE III REPORTING REQUIREMENTS

SECTION 302- EXTREMELY HAZARDOUS SUBSTANCES	REPORTING NOT REQUIRED
SECTION 304- HAZARDOUS RELEASES	REPORTING NOT REQUIRED
SECTION 311- COMMUNITY RIGHT TO KNOW (R-T-K)	REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.
SECTION 312- R-T-K INVENTORY DATA	REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.
SECTION 313- EMISSIONS AND RELEASE	REPORTING NOT REQUIRED
CERCLA	SAME AS SECTION 304

**SECTION 16
OTHER INFORMATION**

ADDITIONAL INFORMATION

EMPTY CONTAINER HANDLING: WARNING! EMPTIED CONTAINER RETAINS PRODUCT RESIDUE. OBSERVE ALL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED. KEEP EMPTY CONTAINER CLOSED TIGHTLY.

REFERENCES

TOXIC SUBSTANCE CONTROL ACT LIST (TSCA) - INGREDIENTS LISTED.

PERMISSIBLE EXPOSURE REFERENCES:

REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
TITLE 29 CODE OF FEDERAL REGULATIONS
NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS
INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS

REGULATORY STANDARDS:

DOT TITLE 49 CODE OF FEDERAL REGULATIONS 172.101
SARA TITLE III

NUCLEAR REGULATORY AGENCY

DOT SHIPPING NAME: CHEMICALS, NOS (NOT DOT/IMO HAZARDOUS)

DOT HAZARD LABEL: NONE

DATE REVISED: NOVEMBER 11, 2013

NAME OF PREPARER: CLIFFORD M. CANTRELL

THIS DOCUMENT COMPLIES WITH OSHA & GHS STANDARDS IN EFFECT WHEN PREPARED.

THE INFORMATION CONTAINED HEREIN is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.



The Clorox Company
1221 Broadway
Oakland, CA 94612
Tel. (510) 271-7000

Material Safety Data Sheet

I Product: FRESH SCENT CLOROX DISINFECTING SPRAY

Description: FRAGRANCED AEROSOL

Other Designations	Distributor	Emergency Telephone Nos.
EPA Reg. No. 5813-67 Clorox Disinfecting Spray	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300

II Health Hazard Data	III Hazardous Ingredients												
<p>EYES: Will cause moderate, reversible eye irritation.</p> <p>SKIN CONTACT: Will cause minor irritation after prolonged contact. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.</p> <p>INGESTION: Low toxicity if ingested. May cause minor irritation of the mouth. Ingestion of large quantities may result in ethanol intoxication.</p> <p>INHALATION: Intentional misuse by concentrating and inhaling vapors may be harmful or fatal. Inhalation of high concentrations may cause irritation of the respiratory tract. Symptoms include headaches, dizziness, nausea, vomiting, and malaise.</p> <p>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.</p> <p>EMERGENCY FIRST AID PROCEDURES: EYES: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, call a physician. SKIN: Wash with plenty of soap and water. IF SWALLOWED: Drink a glass of water. Call a physician.</p>	<table border="1"> <thead> <tr> <th>Ingredients</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Ethanol CAS #64-17-5</td> <td>60-80%</td> <td>1000ppm TLV - TWA</td> </tr> <tr> <td>Propane CAS #7409806 (propellant)</td> <td>5%</td> <td>1000ppm PEL - TWA</td> </tr> <tr> <td>Isobutane CAS #75-28-3</td> <td>5-10%</td> <td>Not Established</td> </tr> </tbody> </table> <p>None of the ingredients in this product are on the (ARC, NTP or OSHA carcinogen lists.</p> <p>TLV/TWA: Threshold Limit Value/Time Weighted Average.</p> <p>PEL: Permissible Exposure Limit. Source: OSHA.</p>	Ingredients	Concentration	Worker Exposure Limit	Ethanol CAS #64-17-5	60-80%	1000ppm TLV - TWA	Propane CAS #7409806 (propellant)	5%	1000ppm PEL - TWA	Isobutane CAS #75-28-3	5-10%	Not Established
Ingredients	Concentration	Worker Exposure Limit											
Ethanol CAS #64-17-5	60-80%	1000ppm TLV - TWA											
Propane CAS #7409806 (propellant)	5%	1000ppm PEL - TWA											
Isobutane CAS #75-28-3	5-10%	Not Established											

IV Special Protection and Precautions	V Transportation and Regulatory Data
<p>No special protection or precautions have been identified for using this product under directed consumer use conditions.</p> <p>The following recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale, or prolonged exposure:</p> <p>Hygienic Practices: Wear safety glasses and protective gloves when handling product. Engineering Controls: Use explosion proof ventilation to minimize exposure to vapor or mist. Work Practices: Minimize skin contact and inhalation of vapor or mist.</p>	<p>U.S. DOT Hazard Class: ORM - D</p> <p>U.S. DOT Proper Shipping Name: Consumer Commodity.</p> <p>EPA - SARA Title III/CERCLA: Bulk product is regulated under sections 311/312. Packaged product is not reportable.</p> <p>TSCA Status: All components of this product are on the TSCA inventory.</p>

VI Spill Procedures/Waste Disposal	VII Reactivity Data
<p>Steps to be taken in case material is released or spilled: Eliminate all sources of ignition. Ventilate area. Mop up excess. Flush off any remaining material with soapy water. Flush again. Respiratory Protection: If handling large industrial or warehouse spills, people should use NIOSH approved respiratory protection. Waste Disposal Method: Do not puncture or incinerate (burn) empty or full cans. Dispose of in accordance with state and local regulations for consumer products. Empty cans may be landfilled. Precautions to be taken in Handling and Storage: Do not store above 120°F. Do not puncture or burn. Keep aerosols from fire or sparks. Store in accordance with NFPA 30B for Level 2 Aerosols. Other Precautions: N/A</p>	<p>Stability: Stable</p> <p>Conditions to Avoid: Temperatures over 120°F</p> <p>Incompatibility/Materials to Avoid: Alkalis and acids</p> <p>Hazardous Polymerization or Decomposition: None known</p>

VIII Fire and Explosion Data	IX Physical Data
<p>Flashpoint: Flashpoint of liquid is 66° using a closed cup Herzog tester. Flame extension is between 16-18 inches with no flashback.</p> <p>Fire Extinguishing Agents: All types.</p> <p>Special Fire Fighting Procedures: N/A</p> <p>Unusual Fire and Explosion Hazards: Alcohol flames may not be readily visible. Exposure to temperatures over 120°F (49°) may cause bursting or venting. Keep containers cool. Use equipment or shielding to protect personnel from bursting containers.</p>	<p>pH (no propellant) 9.2</p> <p>Viscosity (no propellant) 3.2 cps at 20°</p> <p>Density (no propellant) 0.86 g/ml at 25°</p> <p>Appearance and Odor Floral/Fruity odor</p>

S.C. Johnson Wax
 Racine, Wisconsin 53403-5011
 Phone: (414) 631-2777
 Emergency Phone: (800) 228-5635
 Extension 092
 International Emergency Phone:
 Extension 092

4=Very High
 3=High
 2=Moderate
 1=Slight
 0=Insignificant

HAZARD RATING	
HMIS	NFPA
0 Health	
4 Flammability	
0 Reactivity	

MATERIAL SAFETY DATA SHEET

SECTION I-PRODUCT IDENTIFICATION

PRODUCT NAME: GLADE AIR FRESHENER - ALL FRAGRANCES			PRODUCT CODE: 10545-1	
CHEMICAL OR COMMON NAME: NA	DATE ISSUED: 02/05/92	SUPERSEDES: 10/30/87	MSDS SECTIONS WITH CHANGES: PREPARED BY: Terry A. Meyers Chemical Info. Adm.	

SECTION II-INGREDIENT INFORMATION

INGREDIENTS	WEIGHT %	EXPOSURE LIMIT
ISOBUTANE\PROPANE (CAS# 75-28-5, 74-98-6)	25-35	1000PPM (OSHA PEL) (PROPANE)
WATER	65-75	NA

SECTION III-PHYSICAL DATA

APPEARANCE/ODOR: DISPENSED AS A SPRAY MIST WITH FRAGRANT ODOR	SPECIFIC GRAVITY (H2O=1): 0.8
VAPOR PRESSURE (mm Hg): ND	PERCENT VOLATILE BY VOLUME (%): NA
SOLUBILITY IN WATER: Appreciable	VAPOR DENSITY (Air=1): ND
FREEZING POINT (°F): ND	BOILING POINT (°F): ND
PH: ND	EVAPORATION RATE (Butyl Acetate=1): NA
VOC (as packaged, minus H2O): ND	THEORETICAL VOC (lb/gal): ND

SECTION IV-FIRE AND EXPLOSION INFORMATION

FLASH POINT (°F) (Method Used): UNDER 20 (TCC) (PROPELLANT)
FLAMMABLE LIMITS: ND
EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical, Water Fog.
SPECIAL FIREFIGHTING PROCEDURES: Normal fire fighting procedures may be used. Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers.
UNUSUAL FIRE AND EXPLOSION HAZARDS: No special hazards known.

SECTION V-HEALTH HAZARD DATA

PRIMARY ROUTE OF ENTRY: NA
SIGNS AND SYMPTOMS: NA
FIRST AID PROCEDURES: NA
MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:

MATERIAL SAFETY DATA SHEET

Page 2

S.C. Johnson Wax
1525 Howe Street
Racine, Wisconsin 53403

GLADE AIR FRESHENER - ALL FRAGRANCES
Product Number: 10545
Serial Number: 1

SECTION VI-REACTIVITY DATA

STABILITY:	Stable
STABILITY-CONDITIONS TO AVOID:	None known
INCOMPATIBILITY:	None known
HAZARDOUS DECOMPOSITION PRODUCTS:	When exposed to fire, produces normal products of combustion.
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS POLYMERIZATION-CONDITIONS TO AVOID:	None known

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Eliminate all ignition sources. Rinse affected area thoroughly with water.
WASTE DISPOSAL INFORMATION:	Recycle empty aerosol can to nearest steel recycling center. Use up package or give to someone who can.

SECTION VIII-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	No special requirements under normal use conditions.
VENTILATION:	General room ventilation adequate.
PROTECTIVE GLOVES:	No special requirements under normal use conditions.
EYE PROTECTION:	No special requirements under normal use conditions.
OTHER PROTECTIVE MEASURES:	NSR

SECTION IX-SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING:	CAUTION: CONTENTS UNDER PRESSURE. DO NOT SET ON STOVE OR RADIATOR OR KEEP WHERE TEMPERATURE WILL EXCEED 120 F AS CONTAINER MAY BURST. DO NOT PUNCTURE OR THROW IN FIRE. KEEP OUT OF REACH OF CHILDREN.
OTHER HANDLING AND STORAGE CONDITIONS:	Keep out of reach of children. Do not pressurize, cut, heat, weld or expose container to flame; explosion could occur.

SECTION X-ADDITIONAL INFORMATION

ADDITIONAL INFORMATION:	FACTORY MUTUAL LEVEL 1 AEROSOL
-------------------------	--------------------------------

SECTION XI-TRANSPORTATION INFORMATION

DOT CLASS:	
DOT #	
SHIPPING NAME:	
DOT NOTES:	

MATERIAL SAFETY DATA SHEET

Page 3

S.C. Johnson Wax 1525 Howe Street Racine, Wisconsin 53403	GLADE AIR FRESHENER - ALL FRAGRANCES Product Number: 10545 Serial Number: 1
---	---

NA-Not Applicable, NE-Not Established, NSR-No Special Requirement, ND-Not Determined

The information herein is given in good faith. No warranty expressed or implied is made. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and local laws and regulations. The information contained in this form is confidential and is submitted solely for your organization's internal use.

MSDS-106 (Rev. 5-16/95)

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

GOO GONE.

Product: Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Revision Date: 28-Nov-2017

SECTION 1 – IDENTIFICATION

Product Identifier

Product Name: Goo Gone

Product Code: 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Recommended Use of the Chemical and Restrictions for Use

Recommended Use: Cleaner

Restrictions for Use: Use only as directed.

Details of the Supplier

Manufacturer: Goo Gone
755 Tri-State Parkway
Gurnee, IL 60031
855-364-8135

Emergency Phone Number

24-Hour Number: 1-800-535-5053

International: 1-352-323-3500

SECTION 2 – HAZARDS IDENTIFICATION

Classification

Hazard Class	Category
Flammable Liquid	4
Skin Sensitization	1
Aspiration Hazard	1

Label Elements

Hazard Symbols(s):



Signal Word(s): Danger

Hazard Statement(s): Combustible liquid. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

Precautionary Statement(s): Keep away from flames and hot surfaces. No smoking. Avoid breathing fume/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other Hazards

None known

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Wt %
Petroleum distillates, hydrotreated light	64742-47-8	60-100
D-Limonene	5989-27-5	1-5
Orange, sweet, extract	8028-48-6	0.5-1.5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

Product: Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Revision Date: 28-Nov-2017

SECTION 4 – FIRST AID MEASURES

First Aid Measures

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Eye Contact: Rinse immediately with water for at least 15 minutes. Remove contact lenses, if worn. If irritation persists, seek medical attention immediately.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

Skin: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash with soap and water. If irritation persists, seek medical attention.

Most Important Symptoms and Effects (Acute and Delayed)

Inhalation: May cause respiratory track irritation.

Eye Contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Skin: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physician: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Suitable: Treat for surrounding material.

Unsuitable: None known.

Specific Hazards Arising from Chemical

Products of combustion include but are not limited to: oxides of carbon.

Protective Equipment and Precautions for Firefighters

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Use personal protective equipment as required.

Environmental Precautions: See Section 12 for ecological information.

Methods and Material for Containment and Cleaning Up

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). For cleaning up scoop up material and place in a disposal container. Provide ventilation.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Avoid breathing fume/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

General Hygiene Advice: Launder contaminated clothing before use. Wash hands before eating, drinking, or smoking.

SAFETY DATA SHEET

Conforms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



Product: Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Revision Date: 28-Nov-2017

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep container closed when not in use. Store in a dry, cool, and well-ventilated area. Keep out of reach of children.

Incompatible Materials: None known.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light (64742-47-8)	200 mg/m ³	100 ppm	Not available
D-Limonene (5989-27-5)	Not available	Not available	Not available
Orange, sweet, extract (8028-48-6)	Not available	Not available	Not available

Appropriate Engineering Controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Individual Protection Measures

Respiratory Protection: None required under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment.

Skin and Body Protection: Wear suitable protective clothing.

Eye/Face Protection: Safety glasses or goggles are recommended when using product.

General Work/Hygienic Practices: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow clear liquid

Odor: Citrus

Odor threshold: Not determined

pH: Not determined

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: 85°C (185°F) TCC

Evaporation rate: Not determined

Flammability (solid, gas): Flammable

Upper/lower flammability or explosive limits: Not determined

Vapor pressure: Not determined

Vapor density: Not determined

Relative density: 0.80

Solubility(ies): Not determined

Partition coefficient (n-octanol/water): Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Document No.: 130529-5
Release Date: 1/10/2014

Page 3 of 5

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



Product: Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Revision Date: 28-Nov-2017

Possibility of hazardous reactions: None under normal use.

Conditions to avoid: Heat. Incompatible materials. Sources of ignition.

Incompatible materials: None known.

Hazardous decomposition products: May include and are not limited to: oxides of carbon.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Likely Routes of Exposure: Inhalation, skin contact, eye contact, ingestion

Information Related to Physical, Chemical, and Toxicological Effects

See section 4 of this SDS.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: NTP: No IARC: No OSHA: No

Numerical Measures of Toxicity

Product	
ATE (oral)	>2000 mg/kg, rat
ATE (dermal)	>2000 mg/kg, rabbit
ATE (inhalation)	Not available

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light (64742-47-8)	>5000 mg/kg, rat	>2000 mg/kg, rabbit	>5.2 mg/l/4h, rat
D-Limonene (5989-27-5)	4400 mg/kg, rat	>5000 mg/kg, rabbit	Not available
Orange, sweet, extract (8028-48-6)	>5000 mg/kg, rat	>5000 mg/kg, rabbit	Not available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not established

Persistence and degradability: Not established

Bioaccumulative potential: Not established

Mobility in soil: No additional information available

Other adverse effects: No additional information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

See section 8 of this SDS for exposure controls and personal protection.

Dispose of the product and container in accordance with all applicable local, state, and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

Note: Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

DOT (Ground): Not Regulated- See 49 CFR 173.150(f)(2) as the product is not bulk packaged.

IATA (Air): Not Regulated

IMDG (Vessel): Not Regulated

SECTION 15 – REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



Product: Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Revision Date: 28-Nov-2017

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration (OSHA) applicable to this Safety Data Sheet differ from the requirements of the CPSC and as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

SECTION 16 – OTHER INFORMATION

Issue Date: 23-Aug-2017

Revision Date: 28-Nov-2017

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

ELCO LABORATORIES
HOOVER STEAMVAC CARPET & UPHOLSTERY DETERGENT **Revised: 8/7/2002**

MSDS Contents

- [SECTION I - COMPOSITION](#)
- [SECTION II - PHYSICAL PROPERTIES](#)
- [SECTION III - FIRE AND EXPLOSION HAZARD](#)
- [SECTION IV - HEALTH HAZARD](#)
- [SECTION V - REACTIVITY](#)
- [SECTION VI - SPILL OR LEAK PROCEDURE](#)
- [SECTION VII - SPECIAL PROTECTION](#)
- [SECTION VIII - STORAGE AND HANDLING](#)
- [SECTION IX - SHIPPING](#)
- [SECTION X - MISCELLANEOUS](#)

Item Number:
4WX25, 4WX26, 4WX27

Mfg. Model Number:

SUPPLIER: ELCO LABORATORIES, INC.

ADDRESS:
2545 PALMER AVENUE
UNIVERSITY PARK
ILLINOIS 60466

TELEPHONE:
MEDICAL EMERGENCIES: POISINDEX INFORMATION SYSTEM
24 HOURS TRANSPORTATION EMERGENCY RESPONSE: 1 (800)255-3924
TRANSPORTATION INFORMATION AND PRODUCT INFORMATION: 1 (708)534-3000

HAZARD RATING:
FIRE: 0
TOXICITY: 1
REACTIVITY: 0
SPECIAL: 0

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

MATERIAL SAFETY DATA SHEET

TRADE NAME (ON LABEL): HOOVER STEAMVAC CARPET & UPHOLSTERY DETERGENT

FORMULA I.D. NUMBER: #112-58A

PRODUCT TYPE: CARPET CLEANER

CHEMICAL FORMULA: SOLUTION

CHEMICAL NAME OR SYNONYM: N/A

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

SECTION I - COMPOSITION

COMPONENT	CAS REG. NO.	APPROX % WT.	OSHA TLV	ACGIH TLV
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	68439-51-0	1%-2%	N/E	N/E

SECTION II - PHYSICAL PROPERTIES

APPEARANCE - ODOR: HAZY STRAW YELLOW LIQUID, CITRUS ODOR

pH: 9.6-10

VISCOSITY (CPS.): 10-15

FREEZING POINT (DEG. F): 30-32

BOILING POINT (DEG. F): 212

VAPOR PRESSURE (MM HG): AS WITH WATER

VAPOR DENSITY (AIR=1): >

SOLUBILITY IN WATER: SOLUBLE IN ALL RATIOS

VOLATILE (% WT.): 95.0-96.0

SPECIFIC GRAVITY (G/ML): 1.0170-1.0230

EVAP. RATE (BUTYL ACETATE=1): <

SECTION III - FIRE AND EXPLOSION HAZARD

FLASH POINT (DEG. F): NOT FLAMMABLE

AUTOIGNITION (DEG. F): N/A

LOWER EXPLOSION LIMIT (%): N/A

UPPER EXPLOSION LIMIT (%): N/A

EXTINGUISHING MEDIUM:

- FOAM
- ALCOHOL FOAM
- DRY CHEM.
- WATER
- OTHER

SPECIAL FIRE FIGHTING PROCEDURES:

THIS PRODUCT IS NOT FLAMMABLE NOR DOES IT SUPPORT COMBUSTION OF FLAMMABLE MATERIALS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE HAS BEEN ESTABLISHED.

SECTION IV - HEALTH HAZARD

THRESHOLD LIMIT VALUES:

- ACGIH
- OSHA
- NONE ESTABLISHED

PRIMARY ROUTES OF EXPOSURES:

- EYE
- SKIN
- ORAL
- INHALATION

CARCINOGENS OR SUSPECTED CARCINOGENIC INGREDIENTS:

- NTP
- IARC
- OSHA
- NONE

EFFECTS OF OVEREXPOSURE:

IF IN CONTACT WITH EYES, IT WILL CAUSE DISCOMFORT. IT MAY CAUSE SKIN

IRRITATION IF IT IS IN PROLONGED CONTACT WITH SKIN. IT CAN CAUSE GASTROINTESTINAL IRRITATION AND NAUSEA, IF TAKEN INTERNALLY.

EMERGENCY AND FIRST AID PROCEDURES:

IF IN EYES:

IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, LIFTING THE UPPER AND LOWER LIDS TO FACILITATE CLEANING. CONSULT A PHYSICIAN IF IRRITATION CONTINUES.

IF ON SKIN:

WASH WITH SOAP AND WATER. REMOVE AND WASH CONTAMINATED CLOTHING TO REDUCE PROLONGED CONTACT WITH SKIN.

IF SWALLOWED: DRINK 1-2 GLASSES OF WATER OR MILK. CONSULT A PHYSICIAN.

SECTION V - REACTIVITY

STABILITY:

- STABLE
- UNSTABLE

CONDITIONS TO AVOID: NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE AND OTHER NON-IDENTIFIED CARBON BY-PRODUCTS MAY BE FORMED UPON PYROLYSIS.

HAZARDOUS POLYMERIZATION:

- MAY OCCUR
- WILL NOT OCCUR

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY:

- WATER
- OTHER

MATERIALS TO AVOID: NONE ARE KNOWN

SECTION VI - SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

FOR SMALL SPILLS:

FLUSH THE AREA WITH WATER AND DISPOSE OF IT IN THE SANITARY DRAIN SYSTEM.

FOR LARGE SPILLS:

ABSORB THE MATERIAL IN EARTH, SAW DUST, SWEEPING COMPOUNDS, ETC. COLLECT IN NON-LEAKING CONTAINERS AND WASH THE AREA. DISPOSE OF IT IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

WASTE DISPOSAL METHODS:

IF INTENDED TO BE DISCARDED AS IS, DEPOSIT IT IN LANDFILL OBSERVING APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION VII - SPECIAL PROTECTION

VENTILATION TYPE:

MECHANICAL VENTILATION WILL BE SUFFICIENT WHERE THE VAPORS OF THIS PRODUCT ARE NOTICEABLE.

REGULATORY PROTECTION: OPTIONAL

PROTECTIVE GLOVES: RUBBER (OPTIONAL)

EYE PROTECTION:

YOU MAY USE SPLASH GOGGLES IF EYE CONTACT MAY REASONABLY BE EXPECTED TO OCCUR

OTHER PROTECTIVE EQUIPMENT: NONE NEEDED FOR NORMAL USE.

SECTION VIII - STORAGE AND HANDLING

USE THIS PRODUCT WITH ADEQUATE VENTILATION. DO NOT TRANSFER THIS PRODUCT TO UNMARKED CONTAINERS.

SECTION IX - SHIPPING

PROPER SHIPPING NAME: LIQUID CLEANER

U.S. DOT HAZARD CLASS: NOT REGULATED

U.S. DOT ID. NO.: N/A

LABEL REQUIREMENTS: NONE

SECTION X - MISCELLANEOUS

IF PRODUCT IS SWALLOWED AND SPONTANEOUS VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

ABBREVIATIONS:

N/A: NOT APPLICABLE

N/D: NOT DETERMINED

N/E: NOT ESTABLISHED

UNK: UNKNOWN

<: LESS THAN

>: GREATER THAN

PREPARED BY: ROD DANIELS

DATE: AUGUST 7, 2002

SUPERSEDES: JUNE 19, 2002

M:\WPDATA\ALL-MSDS\112058A\11258A.WPD

HYDROGEN PEROXIDE 3% SOLUTION

Product and Company Identification
Composition/Information on Ingredients
Hazards Identification
First Aid Measures
Fire Fighting Measures
Accidental Release Measures
Handling and Storage
Exposure Controls/Personal Protection

Physical and Chemical Properties
Stability and Reactivity
Toxicological Information
Ecological Information
Disposal Considerations
Transport Information
Regulatory Information
Other Information / Hazmat Info / Hazcom Label

MSDS Safety Information

TOP

FSC: 6505 NIIN: 00-153-8480 MSDS Date: 07/10/1990 MSDS Num: BGXST

Submitter: D DG Tech Review: 09/21/1990 Status CD: C

Product **HYDROGEN PEROXIDE 3% SOLUTION** MFN: 01
 ID:
 Article: N Kit N Part:

Responsible Party Cage: 0TH10
 Name: CUMBERLAND-SWAN, INC.

Address: ONE SWAN DRIVE Box: 129
 City: SMYRNA State: TN Zip: 37167

Country: US
 Info Phone Number: 615-459-8900

Emergency Phone Number: 615-459-8900

Preparer's Name: JAMES R.BEAVER

Proprietary Ind: N Review Ind: Y
 Published: Y Special Project CD: N

Contractor Summary

TOP

Cage:ATD-A Name:ATD AMERICAN CO. (215-576-1000)

Address:UNKNOWN State:NK Zip:00000
 City:UNKNOWN
 Country:NK Phone:UNKNOWN

Cage:66611 Name:CMC INC. DBA CUMBERLAND MFG CO.

Address:ONE SWAN DRIVE

City:SMYRNA

State:TN

Zip:37167

Country:US

Phone:615-459-8900

Cage:0TH10 Name:CUMBERLAND-SWAN, INC

Address:ONE SWAN DRIVE

City:SMYMA

State:TN

Box:129

Zip:37167

Country:US

Phone:615-459-8900

= Item Description Information =

TOP

Item Manager: S9G

Item Name: HYDROGEN PEROXIDE TOPICAL SOLUTION,USP
Specification Number: NK Type/Grade/Class: NK

Unit of Issue: BT
UI Container Qty: 1.000 PT

Quantitative Expression: NK
Type of Container: BOTTLE

Ingredients

TOP

Cas: 7722-84-1

Code: M

RTECS #: MX0900000 Code: M

Name: HYDROGEN PEROXIDE (SARA III)

% Text: 3

Environmental Wt:
Other REC Limits: NOT ESTABLISHED

OSHA PEL: 1 PPM

Code: M

OSHA

Code:

ACGIH TLV: 1 PPM; 9192

Code: M

ACGIH N/P

Code:

EPA Rpt Qty:

STEL:

DOT Rpt

Qty:

Ozone Depleting Chemical: N

Cas: 7732-18-5

Code: M

RTECS #: ZC0110000 Code: M

Name: WATER

% Text: 97

Environmental Wt:
Other REC Limits: NOT ESTABLISHED

OSHA PEL: NOT ESTABLISHED	Code: M	OSHA STEL:	Code:
ACGIH TLV: NOT ESTABLISHED	Code: M	ACGIH N/P STEL:	Code:
EPA Rpt Qty:		DOT Rpt Qty:	

Ozone Depleting Chemical: N

Health Hazards Data [TOP](#)

LD50 LC50 Mixture LD50 (INH RAT) IS 2000 MG/M3/4H (90%)

Route Of Entry Inds - Inhalation:NO	Skin:NO	Ingestion:NO
Carcinogenicity Inds - NTP:NO	IARC:NO	OSHA:NO

Health Hazards Acute And Chronic

ACUTE: IRRITATING TO THE EYE.

Explanation Of Carcinogenicity

THIS PRODUCT IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Signs And Symptions Of Overexposure

EYE IRRITATION.

Medical Cond Aggravated By Exposure

NONE

First Aid Information [TOP](#)

EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEE DOCTOR. SKIN: WASH WITH WATER. INHALATION: REMOVE VICTIM TO FRESH AIR. SEE DOCTOR. INGESTION: DRINK PLENTY OF WATER IMMEDIATELY TO DILUTE, BUT DO NOT ATTEMPT T O INDUCE VOMIING. SEEK IMMEDIATE MEDICAL ATTENTION.

Spill Release Procedures [TOP](#)

DILUTE WITH LARGE AMOUNTS OF WATER AND IF POSSIBLE, DIRECT SOLUTION TO DIKED AREA AND HOLD UNTIL DECOMPOSED. DISPOSE IN ACCORDANCE WITH LOCAL ENVIRONMENTAL REGULATIONS.

Neutralizing Agent

NOT APPLICABLE.

Waste Disposal Methods [TOP](#)

DILUTE WITH LARGE AMOUNTS OF WATER. IF LOCAL REGULATIONS PERMIT, WASH TO SEWER. IF LOCAL REGULATIONS DO NOT PERMIT WASTE TO GO TO SEWER, TREAT AS DIRECTED BY LOCAL AGENCY.

Handling and Storage Precautions [TOP](#)

STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions

DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING.

Fire and Explosion Hazard Information

TOP

Flash Point Method: N/P

Flash Point:

Flash Point Text: NONE

Autoignition Temp:

Autoignition Temp Text: NONE

Lower Limits: N/R

Upper Limits: N/R

Extinguishing Media

ANY BOTTLE SURROUNDED BY FIRE SHOULD BE FLOODED WITH WATER FOR COOLING.

Fire Fighting Procedures

FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRES. USE WATER SPRAY TO COOL NEARBY CONTAINERS.

Unusual Fire/Explosion Hazard

DECOMPOSITION RELEASES OXYGEN WHICH MAY INTENSIFY FIRE.

Control Measures

TOP

Respiratory Protection

NONE NORMALLY REQUIRED. NIOSH APPROVED RESPIRATOR IF EXPOSURE LEVELS ARE EXCEEDED.

Ventilation

LOCAL EXHAUST.

Protective Gloves

NONE NORMALLY REQUIRED

Eye Protection

CHEMICAL SAFETY GOGGLES

Other Protective Equipment

EYE WASH STATION.

Work Hygienic Practices

OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET IN EYES. DO NOT

BREATHE VAPORS OR MISTS.

Physical/Chemical Properties

TOP

HCC: N1

NRC/State LIC No: N/R

Net Prop WT For Ammo: N/R

Boiling Point:

B.P. Text: 214F, 101C

Melt/Freeze Pt:

M.P/F.P Text: UNKNOWN

Decomp Temp:

Decomp Text: UNKNOWN

Vapor Pres: 10.1

Vapor Density: UNKNOWN

Volatile Org Content %:

Spec Gravity: 1.0

VOC Pounds/Gallon:

PH: 6

VOC Grams/Liter:

Viscosity: UNKNOWN

Evaporation Rate & <1 (WATER = 1)

Reference:

Solubility in Water: COMPLETE

Appearance and Odor: COLORLESS, ODORLESS LIQUID.

Percent Volatiles by Volume: 100

Corrosion Rate: UNKNOWN

Reactivity Data

TOP

Stability Indicator: YES

Stability Condition To Avoid: EXCESSIVE HEAT

Materials To Avoid: STRONG REDUCING AGENTS, RUST, DIRT,
ORGANIC MATERIALS WITH A PH ABOVE 4.

Hazardous Decomposition NOT APPLICABLE

Products:

Hazardous Polymerization NO

Indicator:

Conditions To Avoid NOT APPLICABLE

Polymerization:

Toxicological Information

TOP

Toxicological Information: N/P

Ecological Information

TOP

Ecological: N/P

MSDS Transport Information

TOP

Transport Information: N/P

Regulatory Information

TOP

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

TOP

Other N/P Information:

HMIS Transportation Information

TOP

Responsible Party Cage: 0TH10

Trans ID NO: 51733

Product ID: HYDROGEN PEROXIDE 3% SOLUTION

MSDS Prepared Date: 07/10/1990

Review Date: 09/11/1996

MFN: 1

Submitter: D DG

Status C

CD:

Article W/O MSDS: N

Radioactivity: N/R

Tech Entry NOS Shipping Nm:

Form:

Net Explosive Weight: N/R

Coast Guard AMMO Code: N/R

Magnetism: N/P

Net Unit Weight: 1.0

POUND

AF MMAC Code:

DOD Exemption NUM: N/R

Limited Quantity IND:

Multiple KIT Number: 0

Kit Part IND: N

Kit IND: N

Review IND: Y

Unit Of Issue: BT

Type Of Container: BOTTLE

Container QTY: 1.000 PT

Additional Data: 3% SOLUTION OF HYDROGEN PEROXIDE,
STABILIZED.

Detail DOT Information

TOP

DOT PSN Code: ZZZ

Symbols: N/R

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

DOT PSN Modifier:

Hazard Class: N/R

UN ID Num: N/R

DOT Packaging Group: N/R

Label: N/R
Special Provision: N/R
Packaging Exception: N/R

Non Bulk Pack: N/R
Max Qty Pass: N/R

Bulk Pack: N/R
Max Qty N/R
Cargo:

Vessel Stow Req: N/R
Water/Ship/Other Req: N/R

Detail IMO Information

[TOP](#)

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IMO PSN Modifier:

IMDG Page Number: N/R
UN Hazard Class: N/R

UN Number: N/R
IMO Packaging Group: N/R

Subsidiary Risk Label: N/R
EMS Number: N/R

MED First Aid Guide NUM: N/R

Detail IATA Information

[TOP](#)

IATA PSN Code: ZZZ

IATA UN ID NUM: N/R

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

IATA PSN Modifier:

IATA UN Class: N/R

Subsidiary Risk N/R
Class:

IATA Label: N/R
UN Packing Group: N/R

Packing Note Passenger: N/R

Max Quant Pass: N/R
Packaging Note Cargo: N/R

Max Quant Cargo: N/R
Exceptions: N/R

Detail AFI Information

[TOP](#)

AFI PSN Code: ZZZ

AFI Symbols:

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI PSN Modifier:

AFI Hazard Class: N/R
AFI Packing Group: N/R

AFI UN ID NUM: N/R

AFI Label: N/R

Special Provisions: N/A

Back Pack Reference: N/A

HMIS HAZCOM Label

TOP

Product ID: HYDROGEN PEROXIDE 3% SOLUTION

Cage: 0TH10

Assigned IND: N

Company CUMBERLAND-SWAN, INC

Name:

Street: ONE SWAN DRIVE

PO Box: 129

City: SMYMA

State: TN

Zipcode: 37167

Country: US

Health Emergency Phone: 615-459-8900

Label Required IND: N

Date Of Label Review: 09/11/1996

Status Code: C

MFG Label NO: N/R

Label Date: 09/11/1996

Year Procured: 1990

Origination Code: F

Chronic Hazard IND: N

Eye Protection IND: YES

Skin Protection IND: N/P

Signal Word: CAUTION

Respiratory Protection IND: N/P

Health Hazard: None

Contact Hazard: None

Fire Hazard: None

Reactivity Hazard: Slight

Hazard And Precautions

N/P

This information is derived from the Hazardous Material Information System which is utilized by the U.S. Department of Defense. IntraWEB, LLC and its Distributors in no manner whatsoever, expressly or implied warrants, states, or intends said information to have any application use or viability by or to any person or persons. Any person utilizing this information should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.

BRILLIANIZE, KleenMaster Products

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Brilliance, Inc. Emergency Phone: (707) 751-0656
 4952 Industrial Way Information: (707) 751-0656
 Benicia, CA 94510 Web site: www.BRILLIANIZE.com

Chemical Name: BRILLIANIZE®

2. COMPOSITION / INFORMATION ON INGREDIENTS

NAME	PERCENT	OSHA	ACGIH
		PEL	TLV
Proprietary ingredients	0.77%	N/E	N/E
Methyl Paraben (CAS# 99-76-3)	0.13%	N/E	N/E
Water (CAS# 7732-18-5)	99.1%	N/E	N/E

None of these components are hazardous as defined by 29CFR1910.1200, OSHA's Hazard Communication Standard.

National Fire Protection Association profile: Health 1, Flammability 0, Instability/Reactivity 0

ACGIH = American Conference of Governmental Industrial Hygienists

N/E = Not Established

PEL = Permissible Exposure Level

TLV = Threshold Limit Values

3. HAZARD IDENTIFICATION

Acute Effects

Eye: Prolonged direct contact may cause mild irritation.
 Skin: Prolonged contact may cause mild irritation in sensitive individuals.
 Inhalation: Irritates respiratory passages very slightly.
 Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects

Skin: No known applicable information.
 Inhalation: No known applicable information.
 Oral: No known applicable information.

Signs and Symptoms of Overexposure

No known applicable information.

Medical Conditions Aggravated by Exposure

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

4. FIRST AID MEASURES

Eyes: Flush with water for 15 minutes.
 Skin: No first aid should be needed.
 Inhalation: No first aid should be needed. Remove to fresh air.
 Ingestion: Non-toxic. Give several glasses of water to dilute.
 Comments: Treat according to person's condition and specifics of exposure.
 Boiling point: > 65°C
 Vapor pressure @ 25° C: Not determined
 Solubility in water: Highly soluble
 Reactivity in water: N/A

BRILLIANIZE, KleenMaster Products

5. FIRE-FIGHTING AND EXPLOSION DATA

Flash point: N/A
Flammable limits in air % by volume: Lower N/A, Upper N/A
Auto ignition temperature: N/A
Unusual fire and explosion hazards: None known
Extinguisher media: Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.
Special fire fighting measures: As with all fires, evacuate personnel to a safe area. Fire fighters should use self-contained breathing equipment and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Containment/clean up: Clean up remaining materials with a suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. You will need to determine which federal, state and local laws and regulations are applicable. Section 15 of this MSDS provides information regarding certain federal and state requirements. See section 8 for personal protective equipment for spills.

7. HANDLING AND STORAGE

Protect from freezing. Use with adequate ventilation. Avoid eye contact. Keep container closed. Internal consumption not recommended. Avoid spills on hard surfaces, spilled material, even in small quantities, may present a slip hazard.

Use reasonable care and store away from oxidizing materials.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection: None required.
Ventilation: Ventilation should be used to maintain exposure below the PEL and TLV.
Protective Gloves: Not required, rubber or vinyl gloves can be used if employees experience skin irritation. Polyvinylchloride. Silver Shield®. 4H®.
Eye Protection: Safety goggles should be worn when splash hazards are present.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry (www.SEHSC.com).

9. PHYSICAL AND CHEMICAL PROPERTIES

Generic description: Cleaning and polishing emulsion
Physical Form: Liquid
Color: White
Odor: Some odor
Specific gravity@ 25° C: 1
Viscosity: Not determined
Freezing/Melting Point: 0° C (32° F)
Boiling point: > 65°C
Vapor pressure @ 25° C: Not determined
Solubility in water: Highly soluble
Reactivity in water: N/A

BRILLIANIZE, KleenMaster Products

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
 Hazardous polymerization: Hazardous polymerization will not occur.
 Conditions to avoid: None
 Hazardous decomposition products: Silicone dioxide, carbon dioxide and traces of incompletely burned carbon products.
 Materials to avoid: Oxidizing material can cause a reaction.

11. TOXICOLOGICAL INFORMATION

Special Hazard Information on Components
 No known applicable information.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: Complete information is not yet available.
 Environmental Effects: Complete information is not yet available.
 Fate and Effects in Waste Water Treatment Plants: Complete information is not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <= 2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.
 This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above.

13. DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? **No.**
 State of local laws may impose additional regulatory requirements regarding disposal.

14. TRANSPORTATION INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations.

15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR1910.1200 and ANSI Z400.1-1993.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355)

None.

Section 304 CERCLA Hazardous Substances (40 CFR 302)

None.

Section 313 Toxic Chemicals (40 CFR 370)

None present or none present in regulated quantities.

BRILLIANIZE, KleenMaster Products

16. OTHER INFORMATION - SPECIAL PRECAUTIONS

Handling and Storage: Keep from freezing. This material should be handled and stored per label and other instructions to ensure product integrity. Do not take internally.

Other precautions: Exercise care in using this material with any pressurized systems offering potential for eye or skin injection. Avoid spills on hard surfaces, spilled material, even in small quantities, may present a slip hazard.

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

ACGIH = American Conference of Governmental Industrial Hygienists

N/A = Not Applicable

N/R = Not Regulated

N/E = Not Established

PEL = Permissible Exposure Level

TLV = Threshold Limit Values

® indicates Registered Trademark.

Date: 09 April 2012

MATERIAL SAFETY DATA SHEET

Page 1 of 4

MSDS # 110338037

PLEDGE® AEROSOL - LEMON

Date Issued: 03Feb1999

Supersedes: 19Feb1996

US MANUFACTURER:
 S.C. Johnson & Son, Inc.
 Phone: (800) 725-6737
 Racine, Wisconsin 53403-2236
 Emergency Phone: (888) 779-7920
 International Emergency Phone:
 (262) 886-1480

CANADIAN MANUFACTURER:
 S.C. Johnson and Son, Limited
 Phone: (800) 725-6737
 1 Webster Street
 Brantford, Ontario N3T 5R1
 Transportation Emergency:
 CANUTEC (collect) (613) 996-6666
 Poison Control: (888) 779-7920

HAZARD RATING	HMIS	HAZARD	NFPA
4-Very High	0	Health	0
3-High	4	Flammability	4
2-Moderate	0	Reactivity	0
1-Slight		Special	
0-Insignificant			

DISTRIBUTED IN CANADA BY:
 S.C. Johnson and Son, Limited
 Phone: (800) 725-6737
 1 Webster Street
 Brantford, Ontario N3T 5R1

----- SECTION 1 - PRODUCT IDENTIFICATION -----

PRODUCT NAME..... PLEDGE® AEROSOL - LEMON
 REASON FOR CHANGE..... No significant changes.
 PRODUCT USE..... Furniture care

UPC	SCJ CODE	QUANTITY	US SIZE	CANADIAN SIZE
62300 00332	21009	12		200 GM
62300 00334	21010	12		350 GM
62300 00329	329	12		500 GM
19800 08399	329	12	20 oz	
46500 00338	329	12	12.5 oz	

----- SECTION 2 - INGREDIENT INFORMATION -----

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
Silicones (CAS# 63148-62-9).....	3-7	NOT ESTABLISHED
Butane (CAS# 106-97-8).....	1-5	800 ppm ACGIH/OSHA TWA
Isobutane (CAS# 75-28-5).....	1-5	NOT ESTABLISHED
Propane (CAS# 74-98-6).....	1-5	1000 ppm OSHA PEL
Isoparaffinic Hydrocarbon Solvent..... (CAS# 68920-06-9)	5-10	NOT ESTABLISHED
Water (CAS# 7732-18-5).....	65-80	NOT ESTABLISHED

----- SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11) -----

ROUTE(S) OF ENTRY..... Skin contact. Ingestion.
 EFFECTS OF ACUTE EXPOSURE:
 EYE..... May cause: Sensation of irritation.
 SKIN..... None known.
 INHALATION..... None known.
 INGESTION..... Aspiration into the lungs may cause severe health effects.
 MEDICAL CONDITIONS..... None known.
 GENERALLY RECOGNIZED
 AS BEING AGGRAVATED
 BY EXPOSURE

MATERIAL SAFETY DATA SHEET

Page 2 of 4

MSDS # 110338037

PLEDGE® AEROSOL - LEMON

Date Issued: 03Feb1999

Supersedes: 19Feb1996

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Rinse with plenty of water.
SKIN CONTACT..... Wash contaminated area with water and soap.
INHALATION..... Remove to fresh air.
INGESTION..... Immediately drink 1-2 glasses of water or milk. Seek immediate medical attention.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... < 20°F (< -7°C) (TCC) (propellant)
FLAMMABLE LIMITS..... Not available.
AUTOIGNITION..... Not applicable.
TEMPERATURE
EXTINGUISHING MEDIA.... Foam. CO2. Dry chemical. Water fog.
SPECIAL FIREFIGHTING... Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Fire fighters should wear self-contained breathing apparatus and protective clothing.
PROCEDURES
UNUSUAL FIRE AND..... Aerosol product - Containers may rocket or explode in heat of
EXPLOSION HAZARDS fire.

SECTION 6 - PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN... Eliminate all ignition sources. Absorb with oil-dri or similar
CASE MATERIAL IS inert material. Sweep or scrape up and containerize. Rinse
RELEASED OR SPILLED affected area thoroughly with water.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONARY..... CAUTION: FLAMMABLE: Contains: petroleum distillate. CONTENTS
INFORMATION UNDER PRESSURE. Do not use near open fire, flames or heat. Do not puncture or incinerate. Do not store at temperatures above 120 °F (50 °C). Do not spray or use on floors. Keep out of reach of children.
OTHER HANDLING AND..... Store in a cool, dry place with adequate ventilation. Keep from
STORAGE CONDITIONS freezing.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION. No special requirements under normal use conditions.
VENTILATION..... No special requirements.
PROTECTIVE GLOVES..... No special requirements under normal use conditions.
EYE PROTECTION..... No special requirements under normal use conditions.
OTHER PROTECTIVE..... No special requirements.
MEASURES

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

COLOR..... Opaque
PRODUCT STATE..... Dispensed as a spray mist.
ODOR..... Lemon
pH..... Not applicable.
ODOR THRESHOLD..... Not available.
SOLUBILITY IN WATER.... Dispersible
SPECIFIC GRAVITY..... 0.828
(H2O=1)
VAPOR DENSITY (AIR=1).. Not available.

MATERIAL SAFETY DATA SHEET

PLEDGE® AEROSOL - LEMON

Date Issued: 03Feb1999

Supersedes: 19Feb1996

----- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued) -----

EVAPORATION RATE (BUTYL ACETATE=1) Not available.
 VAPOR PRESSURE (mm HG). Not available.
 BOILING POINT..... Not applicable.
 FREEZING POINT..... Not applicable.
 COEFFICIENT OF..... Not available.
 WATER/OIL
 PERCENT VOLATILE BY.... Not available.
 VOLUME (%)
 VOLATILE ORGANIC..... Hydrocarbon propellant Isoparaffinic Hydrocarbon.
 COMPOUND (VOC)
 THEORETICAL VOC..... 1.44-1.46 lb/gal
 (LB/GAL)

----- SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY..... Stable
 STABILITY - CONDITIONS. Not applicable.
 TO AVOID
 INCOMPATIBILITY..... No special requirements.
 HAZARDOUS DECOMPOSITION PRODUCTS No special requirements.
 HAZARDOUS..... Will not occur.
 POLYMERIZATION
 HAZARDOUS..... Not applicable.
 POLYMERIZATION -
 CONDITIONS TO AVOID

----- SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3) -----

LD50 (ACUTE ORAL TOX).. Greater than 5000 mg/kg (rats)
 LD50 (ACUTE DERMAL TOX) Not applicable.
 LC50 (ACUTE INHALATION. Not applicable.
 TOX)
 EFFECTS OF CHRONIC..... None known.
 EXPOSURE
 SENSITIZATION..... None known.
 CARCINOGENICITY..... None known.
 REPRODUCTIVE TOXICITY.. None known.
 TERATOGENICITY..... None known.
 MUTAGENICITY..... None known.

----- SECTION 12 - ECOLOGICAL INFORMATION -----

ENVIRONMENTAL DATA..... Not available.

----- SECTION 13 - DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL..... If possible, recycle empty aerosol can to nearest steel
 INFORMATION recycling center. Use up package or give to someone who can.

MATERIAL SAFETY DATA SHEET

PLEDGE® AEROSOL - LEMON

Date Issued: 03Feb1999

Supersedes: 19Feb1996

----- SECTION 14 - TRANSPORTATION INFORMATION -----

US DOT INFORMATION..... Buffing or polishing compounds, N.O.I. Consumer commodity, ORM-D
CANADIAN SHIPPING NAME. LEMON PLEDGE
TDG CLASSIFICATION..... Not applicable.
PIN/NIP..... Not applicable.
PACKING GROUP..... Not applicable.
EXEMPTION NAME..... Consumer commodity

----- SECTION 15 - REGULATORY INFORMATION -----

WHMIS CLASSIFICATION... Non-regulated.

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

This product is not subject to the reporting requirements under California's Proposition 65.

----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. NFPA 30B Level 1 Aerosol.
EPA REGISTRATION #..... Not applicable.

----- PREPARATION INFORMATION -----

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1
(Manufacturer) for contact information.

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

PRINT DATE: 04May2000

[Return to Index](#)

MATERIAL SAFETY DATA SHEET

LYSOL(R*) BRAND DISINFECTANT SPRAY - ALL SCENTS

REV. DATE: 09/30/94

L & F PRODUCTS
225 SUMMIT AVENUE
MONTVALE, NJ 07645

TELEPHONE NUMBER: (201)573-5700 (24 HRS)

EMERGENCY CONTACT: CHEMTREC-FOR DOT EMERGENCIES ONLY

EMERGENCY PHONE NUMBER: (800)424-9300

-----SECTION #1 - IDENTIFICATION -----

PRODUCT: LYSOL(R*) BRAND DISINFECTANT SPRAY - ALL SCENTS

EPA REG. NO.: 777-53

SPECIAL HAZARDS: FLAMMABLE. CONTENTS UNDER PRESSURE.

HAZARD RATINGS:

NFPA

HEALTH: 1 SLIGHT

FIRE: LEVEL 1 AEROSOL

REACTIVITY: 0 NEGLIGIBLE

HMIS

HEALTH: 1 SLIGHT

FLAMMABILITY: 3 SERIOUS*

REACTIVITY: 0 MINIMAL

*THIS IS A LEVEL 1 AEROSOL. THIS RATING APPLIES TO THE PRODUCT CONCENTRATE AND NOT THE FINISHED, SEALED AEROSOL PRODUCT.

PRODUCT DESCRIPTION: AEROSOL DISINFECTANT

FORMULA NO.	PRODUCT NO.	SCENT
Z2381	01-C0111-000	ORIGINAL
56-036	01-C0508-000	ORIGINAL
4Z1961	01-C0115-000	FRESH
73-004	01-C0505-000	FRESH
7Z1511	01-C0123-000	FRESH
8Z0531	01-C0131-000	LIGHT (I.C.)
3AB1122	01-C0134-000	LIGHT (I.C.)
Z047A-10	01-C0144-000	COUNTRY
76-054B	01-C0673-000	COUNTRY
AE3-090B	01-C0335-000	MOUNTAIN
75-013B	01-C0339-000	MOUNTAIN
75-018	01-C0736-000	BAYBERRY PINE

THIS PRODUCT IS A REGISTERED PESTICIDE. USE OF THIS PRODUCT IN A MANNER NOT CONSISTENT WITH THE LABEL INSTRUCTIONS IS A VIOLATION OF FEDERAL LAW.

-----SECTION #2 - HAZARDOUS CHEMICAL COMPONENTS -----

[Return to Index](#)

COMPONENT: CARBON DIOXIDE (AS PROPELLANT)

CAS NUMBER: 124-38-9 PERCENT OF MIXTURE: 4.0
ACGIH TLV-STEL: 30,000 PPM
ACGIH TLV-TWA: 5000 PPM
OSHA PEL-TWA: 5,000 PPM

COMPONENT: ETHANOL
CAS NUMBER: 64-17-5 PERCENT OF MIXTURE: 79.0
ACGIH TLV-TWA: 1000 PPM
OSHA PEL-TWA: 1000 PPM

COMPONENT: ORTHO-PHENYLPHENOL
CAS NUMBER: 90-43-7 PERCENT OF MIXTURE: .1
NO EXPOSURE LIMITS ESTABLISHED
BY ACGIH OR OSHA

-----SECTION #3 - PHYSICAL DATA -----

BOILING POINT: NOT APPLICABLE DEG C
VAPOR PRESSURE: 95 - 105 PSIG
VAPOR DENSITY (AIR=1): >1
SPECIFIC GRAVITY: 0.835 @ 25 DEG C (CONC)
SOLUBILITY (H2O): COMPLETE
PH: APPROX. 10 AT A CONCENTRATION OF: 50%
APPEARANCE:
AEROSOL CONTAINER

-----SECTION #4 - FIRE FIGHTING & EXPLOSION DATA -----

FLASH POINT: 70 DEG F TCC (CONCENTRATE)
LOWER EXPLOSIVE LIMIT (%): NOT DETERMINED
UPPER EXPLOSIVE LIMIT (%): NOT DETERMINED
FIRE AND EXPLOSION HAZARDS
FLAMMABLE. CONTENTS UNDER PRESSURE. DO NOT USE NEAR HEAT, SPARK OR FLAME.
DO NOT PUNCTURE OR INCINERATE CONTAINER. EXPOSURE TO TEMPERATURES ABOVE 130
DEG F MAY CAUSE BURSTING.

EXTINGUISHING MEDIA
WATER SPRAY, FOAM, DRY CHEMICAL OR CARBON DIOXIDE. USE MEDIA SUITABLE FOR
SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

SPECIAL FIRE FIGHTING INSTRUCTIONS
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE EQUIPMENT
APPROPRIATE FOR FIGHTING A TYPICAL CHEMICAL FIRE. MOVE CONTAINERS AWAY FROM
FIRE IF POSSIBLE AND SAFE TO DO SO. USE WATER SPRAY TO COOL FIRE EXPOSED
CONTAINERS. PROVIDE SHIELDING FOR VENTING, RUPTURING OR BURSTING
CONTAINERS.

-----SECTION #5 - EXPOSURE EFFECTS AND FIRST AID -----

[Return to Index](#)

ROUTE OF EXPOSURE - INHALATION:

NONE EXPECTED. SUSCEPTIBLE INDIVIDUALS MAY EXPERIENCE DIZZINESS, DROWSINESS, NAUSEA AND VOMITING IF EXPOSED TO EXTREMELY HIGH CONCENTRATIONS OF THE VAPORS.

FIRST AID - INHALATION:

IF REQUIRED, REMOVE TO FRESH AIR.

ROUTE OF EXPOSURE - SKIN:

NONE EXPECTED.

FIRST AID - SKIN:

RINSE WITH WATER.

ROUTE OF EXPOSURE - EYES:

AVOID CONTACT WITH EYES.

FIRST AID - EYES:

IMMEDIATELY FLUSH EYES THOROUGHLY WITH WATER, REMOVE ANY CONTACT LENSES AND CONTINUE TO FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

ROUTE OF EXPOSURE - INGESTION:

INGESTION IS VERY UNLIKELY THROUGH THE NORMAL ANTICIPATED USE OF THIS PRODUCT. INGESTION OF SMALL QUANTITIES IS NOT EXPECTED TO CAUSE ANY SIGNIFICANT ADVERSE EFFECTS. AVOID CONTACT WITH FOOD.

FIRST AID - INGESTION:

CONTACT A PHYSICIAN.

MISCELLANEOUS TOXICOLOGICAL INFORMATION:

CARCINOGENICITY: NTP: NO IARC: NO OSHA: NO

HEALTH CONDITIONS AGGRAVATED BY EXPOSURE:

NONE KNOWN

-----SECTION #6 - REACTIVITY & POLYMERIZATION -----

STABILITY: STABLE

CONDITIONS TO AVOID (STABILITY):

AVOID TEMPERATURES ABOVE 130 DEG F

INCOMPATIBLE MATERIALS:

STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON DIOXIDE, CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING THERMAL DECOMPOSITION.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

-----SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURES -----

STEPS TO BE TAKEN IN THE EVENT OF SPILLS, LEAKS, OR RELEASE:

FOR LARGE SPILLS DUE TO RUPTURED CONTAINERS, ELIMINATE ALL SOURCES OF IGNITION AND VENTILATE THE AREA WITH EQUIPMENT RATED FOR USE IN FLAMMABLE

[Return to Index](#)

ENVIRONMENT. COLLECT LIQUID AND STORE IN METAL CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHODS:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

CONTAINER DISPOSAL:

REPLACE CAP AND DISCARD IN TRASH. DO NOT PUNCTURE OR INCINERATE. DO NOT REUSE EMPTY CONTAINER.

OTHER ENVIRONMENTAL INFORMATION:

NONE OF THE INGREDIENTS IN THIS PRODUCT MEET THE REPORTING REQUIREMENTS OF THE SARA TITLE III, SECTION 313 LIST OF TOXIC CHEMICALS.

-----SECTION #8 - SPECIAL PROTECTIVE MEASURES -----

VENTILATION: NONE REQUIRED.

EYE PROTECTION: NONE REQUIRED.

SKIN PROTECTION: NONE REQUIRED.

RESPIRATORY PROTECTION: NONE REQUIRED.

-----SECTION #9 - SPECIAL PRECAUTIONS - STORAGE & HANDLING -----

STORAGE & HANDLING CONDITIONS:

STORE IN ORIGINAL CONTAINER IN AREAS INACCESSIBLE TO SMALL CHILDREN.
FLAMMABLE. CONTENTS UNDER PRESSURE. DO NOT USE NEAR FIRE, SPARKS OR FLAME.
EXPOSURE TO TEMPERATURES ABOVE 130 DEG F MAY CAUSE BURSTING.

-----SECTION #10 - SHIPPING INFORMATION -----

PROPER SHIPPING NAME: CONSUMER COMMODITY

HAZARD CLASS: ORM-D DOMESTIC COMMERCE - SURFACE ONLY

STATE REGULATED COMPONENTS

COMPONENT: CARBON DIOXIDE (AS PROPELLANT)

CAS NUMBER: 124-38-9 PERCENT OF MIXTURE: 4.0

STATE REGULATIONS: ILL MAS NJW PAW

COMPONENT: ETHANOL

CAS NUMBER: 64-17-5 PERCENT OF MIXTURE: 79.0

STATE REGULATIONS: ILL MAS NJS NJW PAW P65

COMPONENT: ORTHO-PHENYLPHENOL

CAS NUMBER: 90-43-7 PERCENT OF MIXTURE: .1

STATE REGULATIONS: NJE NJW

ILL - ILLINOIS TOXIC SUBSTANCE

MAS - MASSACHUSETTS HAZARDOUS SUBSTANCE

NJE - NEW JERSEY ENVIRONMENTAL HAZARDOUS SUBSTANCE

NJS - NEW JERSEY SPECIAL HEALTH HAZARDOUS SUBSTANCE

NJW - NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE

PAE - PENNSYLVANIA ENVIRONMENTAL HAZARDOUS SUBSTANCE

[Return to Index](#)

PAS - PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCE
PAW - PENNSYLVANIA WORKPLACE HAZARDOUS SUBSTANCE
P65 - CALIFORNIA PROPOSITION 65

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION						
NFPA Rating: Health-2; Flammability-2; Reactivity-0; Special-0			HMIS Rating: Health-2; Flammability-2; Reactivity-0; Personal Protection-B			
Manufactured For: WAXIE Sanitary Supply Address: 9353 Waxie Way Address: San Diego, CA 92193-1036			DOT Hazard Classification: ORM-D Identity (trade name as used on label): Magnet Dust Mop Treatment			
Phone: 1-800-995-4466			MSDS Number: A00 810 Revision: 10			
Emergency Response Number: 1-800-255-3924			Date Prepared: 05/27/03 Prepared By: CH/IB			
NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA Information Calls: 858-292-8111						
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
PETROLEUM DISTILLATE		8052-41-3	No	500	100	d
PETROLEUM DISTILLATE		64742-54-7	No	5mg/M3	5mg/M3	d
ISOBUTANE / PROPANE BLEND		75-28-5	No	800	800	d
		74-98-6	No	1000	1000	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: N/A			Specific Gravity (H ₂ O=1): Concentrate Only = 0.93			
Vapor Pressure: PSIG @ 70°F (Aerosols): Max. 50			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A			
Vapor Density (Air = 1): N/E			Evaporation Rate (= 1): N/E			
Solubility in Water: Emulsifiable			Water Reactive: No			
Appearance and Odor: White, creamy spray with pine fragrance.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols): less than 18" projection: NOT CATEGORIZED AS FLAMMABLE		Auto Ignition Temperature N/E	Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E			
FLASH POINT AND METHOD USED (non-aerosols): N/A		EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.				
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.		Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.				
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE		HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR				
Incompatibility (Mat. to avoid): Strong oxidizers.		Conditions to Avoid: Open flame, welding arcs, heat, sparks.				
Hazardous Decomposition Products: CO, CO ₂ .						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS: Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.						
Eye Contact: Irritation			Skin Contact: Irritation			
Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea.						
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) Dermatitis.						
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. If Irritated, seek medical attention.						
Skin Contact: Wash with soap and water. If Irritated, seek medical attention.						
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.						
Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH for organic vapor.						
Protective Gloves: Disposable Latex or Nitrile.			Eye Protection: Safety glasses.			
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.						
Other Protective Clothing & Equipment: Eyewash station recommended.						
Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. DO NOT FLUSH TO SEWER.						
Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.						
Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Remove ignition sources. Avoid prolonged breathing of spray mist.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

Doc. No: QD015-05

10/03/01 Rev. 1
Office Depot Duster

Approved by: Frank L.

MATERIAL SAFETY DATA SHEET**OFFICE DEPOT CLEANING DUSTER******SECTION I** CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: OFFICE DEPOT CLEANING DUSTER
Product Number: 0811563
Chemical Name: 1,1,1,2-Tetrafluoroethane
Manufacturer: QPL, INC.
Address: 800 S. ACADIA ROAD
 THIBODAUX, LA 70301
Telephone Number: (985) 449-0660
Web Site: www.qplchem.com
Emergency numbers: Chemtree (800) 424-9300
 Control Center (Louisiana) (800) 256-9822
Date Prepared: 8/00 Revised 01/03

****SECTION II** HAZARDOUS COMPONENTS**

Hazardous Components:	Case No.	ACGIH	TLV	PEL (OSHA)
1,1,1,2-Tetrafluoroethane	811-97-2	Not Est.		Not Est.
Notes:				
(1) NPCA-HMIS Rating:	Health:	1		
	Flammability:	0		
	Reactivity:	0		
	Personal Protection:	X (See Section VIII)		

This Chemical is not listed as a Carcinogen or potential Carcinogen with: NTP Status, IARC Status or OSHA list.

****SECTION III** PHYSICAL DATA**

Boiling Point: -15.7°F @ 736 mm Hg
Solubility in water: Slight
Vapor pressure: 96 psia @ 70°F
Volatiles (% by weight): 100%
Vapor Density (Air = 1): 3
Density: 1.21 g/cc @ 77°F

Description: A colorless, clear liquefied gas with a slight ethereal odor.

****SECTION IV** FIRE & EXPLOSION HAZARDS**

Flash Point: None Method Used: TOC
Flammable Limits: NOT APPLICABLE
Extinguishing Media: As appropriate for combustibles in area
Special fire fighting procedures: Self-contained breathing apparatus. Positive pressure type.
Unusual fire and explosion hazards: None (material itself is not flammable)

****SECTION V** REACTIVITY DATA**

Stability: Yes
Incompatibility (Materials to Avoid): Strong oxidizers and high temperatures above 130°F. Strong acids or bases. Alkaline earth materials.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: High temperatures and sources of ignition such as sparks.
Hazardous Decomposition Products: Source - High Heat, forming hydrofluoric acid and possible carbonyl fluorine.

Doc. No: QD015-05

10/03/01 Rev. 1
Office Depot Duster

Approved by: Frank L.

****SECTION VI** HEALTH HAZARD DATA**Primary Routes of Entry; Effects of Overexposure:Eye: Acute – irritation and redness, tearing and blurred vision.Inhalation: Acute – excessive inhalation may cause temporary alteration of the heart's electrical activity with irregular pulse, palpitations or inadequate circulation. Intentional misuse can be fatal.Skin: Prolong and excessive skin contact may cause frostbite.Ingestion: Not considered a potential route of entry. (Do not administer adrenaline following exposure.)**EMERGENCY / FIRST AID PROCEDURES:**If in Eyes: Flush with water for 15 minutes. Seek medical help if irritation persists.If on Skin: Wash with soap and water. If frostbit treat by warming affected area.If Swallowed: Not considered a potential route of entry.If inhaled: Remove to fresh air. Administer artificial respiration, if needed. If breathing is difficult give oxygen. Call a physician.Note to Physician: Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be considered only as a last resort in a life threatening emergencies.****SECTION VII** PRECAUTIONS FOR SAFE HANDLING AND USE**If Material is released or spilled: Ventilate area – especially low areas where heavy vapors may collect. Protect from open flames.Waste Disposal Method: ****DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS****Handling/Storing Precautions: Store in a dry area, away from heat sources or high ambient temperature. OK to store at freezing temperatures.Other Precautions: Keep away from children. For professional or industrial use only.****SECTION VIII** SPECIAL PROTECTION DATA**Respiratory: No respiratory protection is needed under normal outdoor or well-ventilated working conditions.Ventilation: Provide normal ventilation for standard manufacturing procedures.Eyes: Splash proof safety glasses/goggles are recommended. See safety consultant.Gloves: Nitrile rubber or neoprene is recommended for prolonged contact.****SECTION IX** SPECIAL PRECAUTIONS**

Aquatic Toxicity: Not Applicable

Shipping Information:

Proper Shipping Name:	1,1,1,2-tetrafluoroethane
Hazard Class:	Non-flammable gas, 2.2
UN#:	3159
DOT/IATA Label:	Non-flammable Gas

Air Freight Method:

DOMESTIC (DOT) & INTERNATIONAL AIR (IATA)

Passenger - Package max. Wt. 75kg
Cargo - Package max. Wt. 150kg

NA = not applicable	ND = not determined	< = less than
> = Greater than	UNK = unknown	

NOTE: The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



PLEDGE® MULTI SURFACE EVERYDAY CLEANER

Version 1.2

Print Date 08/02/2013

Revision Date 02/05/2013

MSDS Number 350000021022

GEN_SOF Number 45845

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : PLEDGE® MULTI SURFACE EVERYDAY CLEANER

Use of the Substance/Mixture : Speciality Cleaner

Company : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour International Emergency Phone: (703)527-3887
24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance / Odor : clear / liquid / pleasant

Immediate Concerns

: Caution
COMBUSTIBLE:
Keep away from heat, sparks and flame.

Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : None known.

Skin : None known.

Inhalation : No adverse effects expected when used as directed.

Ingestion : May cause abdominal discomfort.

Aggravated Medical Condition : None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:

Chemical Name	CAS-No.	Weight percent
Ethyl alcohol	64-17-5	0.10 - 1.00

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



PLEDGE® MULTI SURFACE EVERYDAY CLEANER

Version 1.2

Print Date 08/02/2013

Revision Date 02/05/2013

MSDS Number 350000021022

GEN_SOF Number 45845

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

- | | | |
|--------------|---|---|
| Eye contact | : | Rinse with plenty of water. Get medical attention if irritation develops and persists. |
| Skin contact | : | Rinse with plenty of water. |
| Inhalation | : | No special requirements |
| Ingestion | : | If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately. |

5. FIREFIGHTING MEASURES

- | | | |
|--------------------------------------|---|---|
| Suitable extinguishing media | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Specific hazards during firefighting | : | Container may melt and leak in heat of fire. |
| Further information | : | Although this product has a flash point below 200 Deg F, it is an aqueous solution containing an alcohol and does not sustain combustion. Fight fire with normal precautions from a reasonable distance. Cool and use caution when approaching or handling fire-exposed containers. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes. |
| Flash point | : | 64 °C
147.2 °F
Method: Tag Closed Cup (TCC) |
| Lower explosion limit | : | Note: no data available |
| Upper explosion limit | : | Note: no data available |

6. ACCIDENTAL RELEASE MEASURES

- | | | |
|----------------------|---|---|
| Personal precautions | : | Remove all sources of ignition.
Beware of vapours accumulating to form explosive |
|----------------------|---|---|

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



PLEDGE® MULTI SURFACE EVERYDAY CLEANER

Version 1.2

Print Date 08/02/2013

Revision Date 02/05/2013

MSDS Number 350000021022

GEN_SOF Number 45845

concentrations. Vapours can accumulate in low areas.
Wear personal protective equipment.

Environmental precautions : Outside of normal use, avoid release to the environment.

Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Use only non-sparking equipment.
Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.
Take measures to prevent the build up of electrostatic charge.

Storage

Requirements for storage areas and containers : Keep container closed when not in use.
Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m ³	ppm	Non-standard units	Basis
Ethyl alcohol	64-17-5	1,900 mg/m ³	1,000 ppm	-	OSHA TWA
Ethyl alcohol	64-17-5	-	1,000 ppm	-	ACGIH STEL

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : No special requirements.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



PLEDGE® MULTI SURFACE EVERYDAY CLEANER

Version 1.2

Print Date 08/02/2013

Revision Date 02/05/2013

MSDS Number 350000021022

GEN_SOF Number 45845

Eye protection	No special requirements.
Skin and body protection	: No special requirements.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Color	: clear
Odor	: pleasant
pH	: 6.0 at 20 °C
Melting point	: no data available
Boiling point	: no data available
Freezing point	: no data available
Flash point	: 64 °C 147.2 °F Method: Tag Closed Cup (TCC)
Evaporation rate	: no data available
Flammability (solid, gas)	: Does not sustain combustion.
Auto-ignition temperature	: no data available
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Density	: 0.99 g/cm ³ at 20 °C
Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: no data available
Viscosity, dynamic	: no data available

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



PLEDGE® MULTI SURFACE EVERYDAY CLEANER

Version 1.2

Print Date 08/02/2013

Revision Date 02/05/2013

MSDS Number 350000021022

GEN_SOF Number 45845

Viscosity, kinematic : no data available

Relative vapour density : no data available

Volatile Organic Compounds : 0.5 % - additional exemptions may apply
Total VOC (wt. %)* : *as defined by US Federal and State Consumer Product Regulations

10. STABILITY AND REACTIVITY

Conditions to avoid : Heat, flames and sparks.

Materials to avoid : Strong oxidizing agents

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

Thermal decomposition : Note: no data available

Hazardous reactions : Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50
estimated
> 5,000 mg/kg

Acute inhalation toxicity : LC50
Measured
> 2.58 mg/l

Acute dermal toxicity : LD50
Measured
> 5,050 mg/kg

Chronic effects

Carcinogenicity : no data available

Mutagenicity : no data available

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



PLEDGE® MULTI SURFACE EVERYDAY CLEANER

Version 1.2

Print Date 08/02/2013

Revision Date 02/05/2013

MSDS Number 350000021022

GEN_SOF Number 45845

Reproductive effects : no data available

Teratogenicity : no data available

Sensitisation : Substances is not a sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects : no data available

13. DISPOSAL CONSIDERATIONS

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.
Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

▪ **U.S. DOT and Canadian TDG Surface Transportation:**

Proper shipping name not regulated
Class: None.
UN/ID No.: None.
Packaging group None.

Sea transport

▪ **IMDG:**

Proper shipping name not regulated
Class: None.
UN/ID No.: None.
Packaging group None.

Air transport

▪ **ICAO/IATA:**

Proper shipping name not regulated
Class: None.
UN/ID No.: None.
Packaging group None.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



PLEDGE® MULTI SURFACE EVERYDAY CLEANER

Version 1.2

Print Date 08/02/2013

Revision Date 02/05/2013

MSDS Number 350000021022

GEN_SOF Number 45845

15. REGULATORY INFORMATION

- Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
- California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.
- Canada Regulations : This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

HMIS Ratings

Health	0
Flammability	2
Reactivity	0

NFPA Ratings

Health	0
Fire	2
Reactivity	0
Special	-

This information is being provided in accordance with Occupational Safety and Health Administration (OSHA) and Canada's Workplace Hazard Material Information System (WHMIS) regulations. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



PLEDGE® MULTI SURFACE EVERYDAY CLEANER

Version 1.2

Print Date 08/02/2013

Revision Date 02/05/2013

MSDS Number 350000021022

GEN_SOF Number 45845

Prepared by:	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
--------------	--

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard Must Be
 Consulted for Specific Requirements

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (As Used on Label and List)
 Prang Tempera Paint
 Ready To Use

NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that

SECTION I

Manufacturer's Name DIXON TICONDEROGA	Emergency Telephone Number (419) 625-9545
Address (Number, Street, City, State, and ZIP) 1706 HAYES AVENUE SANDUSKY, OHIO 44870	Telephone Number for Information (419) 625-9545
	Date Prepared 02/22/02
	Signature of Preparer (optional)

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended %Optional
--	----------	-----------	---------------------------------------

Products bearing the CP Certified Products or AP Approved Products seals of the Art and Creative Materials Institute, Inc. are certified in a program of Toxicological evaluation by a Medical expert, subject to review by the Institute's Toxicological Advisory Board, to contain no materials in sufficient quantities to be toxic or injurious to humans or cause acute or chronic health problems.

CONFORMS TO ASTM-4236

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point N/A	Specific Gravity (H ₂ O = 1) Greater than 1.0
Vapor Pressure (mm Hg) N/A	Melting Point N/A
Vapor Density (Air=1) N/A	Evaporation Rate (Butyl Acetate = 1) N/A
Solubility in Water Nil	
Appearance and Odor Colored liquid, nearly odorless	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
---	--------------------------------	-------------------	-------------------

Extinguishing Media
Water Spray, Foam, CO2

Special Fire Fighting Procedures
Containers may be subject to ignition by fire and may release toxic or other irritating gases

Unusual Fire and Explosion Hazards
A self contained breathing apparatus should be used for this exposure.

(Reproduce Locally) **OSHA 174, SEPT. 1985**

SECTION V - REACTIVITY DATA

Stability	Unstable	Conditions To Avoid NONE
	Stable YES	

Incompatibility (Materials To Avoid)
NONE

Hazardous Decomposition or Byproducts
As with all burning organic matter, Carbon Monoxide and other toxic fumes may be given off.

Hazardous Polymerization	May Occur	Conditions To Avoid NONE
	Will Not Occur YES	

SECTION VI - HEALTH HAZARD DATA

Route(s) Of Entry:	Inhalation?	Skin?	Ingestion?
	NO	YES	YES

Health Hazard (Acute and Chronic)

Conforms to ASTM D-4236

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A
Signs and Symptoms of Exposure	N/A		
Medical Conditions Generally Aggravated by Exposure	N/A		
Emergency and First Aid Procedures	Eyes—flush with copious amounts of water and contact a physician Contact with skin—Wash area with soap and water; Ingestion—seek medical attention;		

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled	Contain and place in approved containers.
Waste Disposal Method	Dispose of per all Local, State, and Federal Regulations.
Precautions to Be Taken in Handling and Storing	Do not store near heat or open flame.
Other Precautions	None

SECTION VIII - CONTROL MEASURES

Respiratory Protection (specify Type)	N/A	
Ventilation	Local Exhaust	Special
	Mechanical (General)	Other
	OKAY	N/A
	OKAY	N/A
Protective Gloves	N/A	Eye Protection
		YES
Other Protective Clothing or Equipment	N/A	
Work/Hygenic Practices	Contents will stain most fabrics, use of smocks, gloves, etc to protect personnel clothing is suggested. Wash hands and surfaces after use.	

PURELL® Hand Sanitizer

Version 1.2 Revision Date: 03/19/2015 MSDS Number: 46955-00003 Date of last issue: 02/10/2015
Date of first issue: 01/13/2015

SECTION 1. IDENTIFICATION

Product name : PURELL® Hand Sanitizer

Manufacturer or supplier's details

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500
Akron OH 44311

Telephone : 1 (330) 255-6000

Emergency telephone : 1-800-424-9300 CHEMTREC

Recommended use of the chemical and restrictions on use

Recommended use : Hand Sanitizer

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Flammable liquids : Category 3

Eye irritation : Category 2A

GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.


PURELL® Hand Sanitizer

Version 1.2 Revision Date: 03/19/2015 MSDS Number: 46955-00003 Date of last issue: 02/10/2015
 Date of first issue: 01/13/2015

Precautionary Statements : **Prevention:**
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/ eye protection/ face protection.
Response:
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
Storage:
 P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
 P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

Vapors may form explosive mixture with air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
Ethanol	64-17-5	>= 50 - < 70
Propan-2-ol	67-63-0	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.
 When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If inhaled, remove to fresh air.
 Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution.
 Get medical attention if symptoms occur.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
 If easy to do, remove contact lens, if worn.

**PURELL® Hand Sanitizer**

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

- Get medical attention.
- If swallowed : If swallowed, DO NOT induce vomiting.
Get medical attention if symptoms occur.
Rinse mouth thoroughly with water.
- Most important symptoms and effects, both acute and delayed : Causes serious eye irritation.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
- Notes to physician : Treat symptomatically and supportively.
-

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray
Alcohol-resistant foam
Dry chemical
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.
Flash back possible over considerable distance.
Vapors may form explosive mixtures with air.
Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.
Use personal protective equipment.
Follow safe handling advice and personal protective equipment recommendations.
- Environmental precautions : Discharge into the environment must be avoided.
-



PURELL® Hand Sanitizer

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapors/mists with a water spray jet.
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use with local exhaust ventilation.
Use only in an area equipped with explosion proof exhaust ventilation.

Advice on safe handling : Do not breathe vapors or spray mist.
Do not swallow.
Do not get in eyes.
Avoid prolonged or repeated contact with skin.
Handle in accordance with good industrial hygiene and safety practice.
Non-sparking tools should be used.
Keep container tightly closed.
Keep away from heat and sources of ignition.
Take precautionary measures against static discharges.
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.
Keep tightly closed.
Keep in a cool, well-ventilated place.
Store in accordance with the particular national regulations.
Keep away from heat and sources of ignition.

Materials to avoid : Do not store with the following product types:
Strong oxidizing agents

PURELL® Hand Sanitizer

Version 1.2 Revision Date: 03/19/2015 MSDS Number: 46955-00003 Date of last issue: 02/10/2015
 Date of first issue: 01/13/2015

Organic peroxides
 Flammable solids
 Pyrophoric liquids
 Pyrophoric solids
 Self-heating substances and mixtures
 Substances and mixtures which in contact with water emit flammable gases
 Explosives
 Gases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m ³	OSHA Z-1
		STEL	1,000 ppm	ACGIH
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m ³	NIOSH REL
		ST	500 ppm 1,225 mg/m ³	NIOSH REL
		TWA	400 ppm 980 mg/m ³	OSHA Z-1

Biological occupational exposure limits

Ingredients	CAS-No.	Control parameters	Biological specimen	Sam-pling time	Permissible concentration	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI

Engineering measures : Minimize workplace exposure concentrations.
 Use only in an area equipped with explosion proof exhaust ventilation.
 Use with local exhaust ventilation.

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and

**PURELL® Hand Sanitizer**

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Material : Impervious gloves

Material : Flame retardant gloves

Remarks

: Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection

: Wear the following personal protective equipment:
Safety goggles

Skin and body protection

: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.
Wear the following personal protective equipment:
Flame retardant antistatic protective clothing.
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures

: Ensure that eye flushing systems and safety showers are located close to the working place.
When using do not eat, drink or smoke.
Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: clear, Colorless to pale yellow
Odor	: citrus
Odor Threshold	: No data available
pH	: 6.0 - 9.2
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available

PURELL® Hand Sanitizer

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

Flash point	:	25 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Density	:	0.89 g/cm ³
Solubility(ies)		
Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	Not applicable
Autoignition temperature	:	No data available
Decomposition temperature	:	The substance or mixture is not classified self-reactive.
Viscosity		
Viscosity, kinematic	:	1,000 - 35,000 mm ² /s (20 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

PURELL® Hand Sanitizer

Version 1.2 Revision Date: 03/19/2015 MSDS Number: 46955-00003 Date of last issue: 02/10/2015
Date of first issue: 01/13/2015

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Ingredients:**Ethanol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l
Exposure time: 4 h
Test atmosphere: vapor

Propan-2-ol:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 72.6 mg/l
Exposure time: 4 h
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Result: No skin irritation

Ingredients:**Ethanol:**

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Propan-2-ol:

Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Ingredients:

PURELL® Hand Sanitizer

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

Ethanol:

Species: Rabbit
 Result: Irritation to eyes, reversing within 21 days
 Method: OECD Test Guideline 405

Propan-2-ol:

Species: Rabbit
 Result: Irritation to eyes, reversing within 21 days

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.
 Respiratory sensitization: Not classified based on available information.

Product:

Assessment: Does not cause skin sensitization.

Ingredients:**Ethanol:**

Test Type: Local lymph node assay (LLNA)
 Routes of exposure: Skin contact
 Species: Mouse
 Result: negative

Propan-2-ol:

Test Type: Buehler Test
 Routes of exposure: Skin contact
 Species: Guinea pig
 Method: OECD Test Guideline 406
 Result: negative

Germ cell mutagenicity

Not classified based on available information.

Ingredients:**Ethanol:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
 Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)
 Species: Mouse
 Application Route: Ingestion
 Result: negative

Propan-2-ol:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
 Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
 Species: Mouse
 Application Route: Intraperitoneal injection
 Result: negative


PURELL® Hand Sanitizer

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

Carcinogenicity

Not classified based on available information.

Ingredients:
Propan-2-ol:

Species: Rat

Application Route: inhalation (vapor)

Exposure time: 104 weeks

Method: OECD Test Guideline 451

Result: negative

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Ingredients:
Ethanol:

Effects on fertility

: Test Type: Two-generation reproduction toxicity study
 Species: Mouse
 Application Route: Ingestion
 Method: OECD Test Guideline 416
 Result: negative

Propan-2-ol:

Effects on fertility

: Test Type: Two-generation reproduction toxicity study
 Species: Rat
 Application Route: Ingestion
 Result: negative

Effects on fetal development

: Test Type: Embryo-fetal development
 Species: Rat
 Application Route: Ingestion
 Result: negative

STOT-single exposure

Not classified based on available information.

Ingredients:
Propan-2-ol:

Assessment: May cause drowsiness or dizziness.

PURELL® Hand Sanitizer

Version Revision Date: MSDS Number: Date of last issue: 02/10/2015
 1.2 03/19/2015 46955-00003 Date of first issue: 01/13/2015

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity**Ingredients:****Ethanol:**

Species: Rat
 NOAEL: 2,400 mg/kg
 Application Route: Ingestion
 Exposure time: 2 y

Propan-2-ol:

Species: Rat
 NOAEL: 5000 ppm
 Application Route: inhalation (vapor)
 Exposure time: 104 w
 Method: OECD Test Guideline 413

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Ingredients:****Ethanol:**

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 9.6 mg/l Exposure time: 9 d
Toxicity to bacteria	: EC50 (Photobacterium phosphoreum): 32.1 mg/l Exposure time: 0.25 h

Propan-2-ol:

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 24 h
Toxicity to algae	: ErC50 (Scenedesmus quadricauda (Green algae)): > 1,800 mg/l


PURELL® Hand Sanitizer

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

Exposure time: 8 d

Toxicity to bacteria : EC50 (*Pseudomonas putida*): > 1,050 mg/l
Exposure time: 16 h

Persistence and degradability
Ingredients:
Ethanol:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 84 %
Exposure time: 20 d

Propan-2-ol:

Biodegradability : Result: rapidly degradable

Bioaccumulative potential
Ingredients:
Ethanol:

Partition coefficient: n-octanol/water : log Pow: -0.35

Propan-2-ol:

Partition coefficient: n-octanol/water : log Pow: 0.05

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS
Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION
International Regulation
UNRTDG

UN number : UN 1987
Proper shipping name : ALCOHOLS, N.O.S.


PURELL® Hand Sanitizer

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

(Ethanol, Propan-2-ol)

Class : 3
 Packing group : III
 Labels : 3

IATA-DGR

UN/ID No. : UN 1987
 Proper shipping name : Alcohols, n.o.s.
 (Ethanol, Propan-2-ol)

Class : 3
 Packing group : III
 Labels : Flammable Liquids
 Packing instruction (cargo aircraft) : 366
 Packing instruction (passenger aircraft) : 355

IMDG-Code

UN number : UN 1987
 Proper shipping name : ALCOHOLS, N.O.S.
 (Ethanol, Propan-2-ol)

Class : 3
 Packing group : III
 Labels : 3
 EmS Code : F-E, S-D
 Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation
49 CFR

UN/ID/NA number : UN 1987
 Proper shipping name : ALCOHOLS, N.O.S.

Class : 3
 Packing group : III
 Labels : FLAMMABLE LIQUID
 ERG Code : 127
 Marine pollutant : no

SECTION 15. REGULATORY INFORMATION
EPCRA - Emergency Planning and Community Right-to-Know
CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard


PURELL® Hand Sanitizer

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Propan-2-ol	67-63-0	3.013 %
-------------	---------	---------

US State Regulations
Pennsylvania Right To Know

Ethanol	64-17-5	50 - 70 %
Water	7732-18-5	30 - 50 %
Propan-2-ol	67-63-0	1 - 5 %

New Jersey Right To Know

Ethanol	64-17-5	50 - 70 %
Water	7732-18-5	30 - 50 %
Propan-2-ol	67-63-0	1 - 5 %

California Prop 65 This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

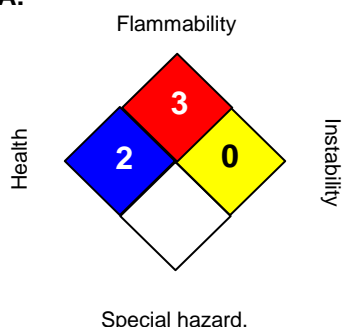
AICS : All ingredients listed or exempt.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

PURELL® Hand Sanitizer

Version 1.2 Revision Date: 03/19/2015 MSDS Number: 46955-00003 Date of last issue: 02/10/2015
 Date of first issue: 01/13/2015

SECTION 16. OTHER INFORMATION
Further information
NFPA:

HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	: ACGIH - Biological Exposure Indices (BEI)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA Z-1	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
NIOSH REL / TWA	: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA	: 8-hour time weighted average

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 03/19/2015

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8



MATERIAL SAFETY DATA SHEET

PRODUCT NUMBER: R896A
ISSUE DATE: 03/28/11

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Number: R896A

COMPANY ADDRESS: Wisdom Adhesives
1575 Executive Drive
Elgin, IL 60123
Phone: (847) 841-7002
Fax: (847) 841-7009
Contact: Material Safety Data Sheet Coordinator

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Not considered as hazardous.
Color: White
Slight Odor

EYE: Slight/mild irritant
SKIN CONTACT: Repeated or prolonged skin contact may result in mild irritation
INHALATION: Vapor or aerosol, if generated, can cause irritation of the eyes, nose and respiratory tract
INGESTION: Ingestion may cause irritation of the gastrointestinal tract

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY: Water based polymer emulsion

COMPONENT	CAS NUMBER	CONCENTRATION (% by weight)
-----------	------------	--------------------------------

None classified as hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200)

4. FIRST-AID MEASURES

EYE: Irrigate with eyewash solution or clean water until pain is relieved. Obtain medical attention.

SKIN CONTACT: Wash skin with soap and water. If symptoms develop, obtain medical attention.

INHALATION: Remove to fresh air. Get medical attention if irritation persists.

INGESTION: Treat symptomatically and supportively. Get medical attention, DO NOT attempt to give anything by mouth to an unconscious person.

5. FIREFIGHTING MEASURES

AUTOIGNITION: Not available
FLASH POINT: > 212 °F
EXTINGUISHING MEDIA: Water spray or fog, CO2, dry chemical; Foam
SPECIAL FIREFLIGHTING PROCEDURES: Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
FIRE & EXPLOSION HAZARDS: This is a water-based product and presents no particular fire or explosion hazard.

HAZARDOUS COMBUSTION PRODUCTS:

Dry polymer film will burn. Product contains low level of organic volatiles which may be emitted at elevated temperatures.

LOWER EXPLOSION LIMIT (%):

Carbon monoxide, carbon dioxide, unknown hydrocarbons.

UPPER EXPLOSION LIMIT (%):

Not applicable

Not applicable

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES:

Absorb spillages onto sand, earth or any suitable absorbent material. Sweep up and shovel into waste drums. Wash the spillage area with water. Washings must be prevented from entering surface water drains. Disposal should be in accordance with local, state and national legislation.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information

7. HANDLING AND STORAGE

STORAGE TEMPERATURE:

40 - 100°F

HANDLING/STORAGE:

Avoid extreme temperatures. Protect from freezing. This material should not be spilled, discharged or flushed into sewers or public waterways. Product contains low level of organic volatiles which could accumulate in the unvented headspace of drums or bulk storage vessels. Open drums in well ventilated areas. Avoid breathing vapors.

SENSITIVITY TO STATIC ELECTRICITY:

None

SENSITIVITY TO MECHANICAL IMPACT:

None

8. EXPOSURE CONTROL/PERSONAL PROTECTION

VENTILATION REQUIREMENTS:

None required if good ventilation is maintained.

EYE PROTECTION REQUIREMENTS:

Wear safety glasses with side shields. Protect against splashing.

GLOVE REQUIREMENTS:

The use of chemically resistant gloves is recommended.

CLOTHING REQUIREMENTS:

Uniforms, coveralls, or a lab coat should be worn. Rubber boots and apron if exposure is severe.

CHANGE/REMOVAL OF CLOTHING:

Remove contaminated clothing and launder before reuse.

WASH REQUIREMENTS:

Wash before eating, drinking, or using toilet facilities.

RESPIRATOR REQUIREMENTS:

None required under normal handling conditions. Use NIOSH approved respirator if vapor or mist levels are irritating.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:

Liquid

COLOR:

White

ODOR:

Slight

PH AS IS:

Approximately 6-7

BOILING POINT:

>212°F.

MELTING/FREEZING POINT:

Approximately 32°F

SOLUBILITY IN WATER:

Miscible

SPECIFIC GRAVITY:

Approximately 1.1

% NON VOLATILES:

Approximately 52±3 %/wt

10. STABILITY AND REACTIVITY

STABILITY:

Stable

MATERIALS TO AVOID:

Strong oxidizers, Materials that react with water

HAZARDOUS POLYMERIZATION CONDITIONS:

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY:

Eye Contact; Skin Contact; Inhalation; Ingestion

CARCINOGEN

IRAC
(group)

NTP

OSHA Substance
Specific Regulation

COMPONENT:
There is no evidence that
this product poses a
carcinogenic risk under
normal conditions of
handling and use.

PRODUCT TOXICOLOGY

PRODUCT INFORMATION: Unlikely to cause harmful effects under recommended conditions of handling and use.

**ACUTE (SHORT TERM) EFFECTS OF EXPOSURE
CHRONIC (LONG TERM) EFFECTS OF EXPOSURE:**

EFFECTS OF CHRONIC EXPOSURE: The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do not inject or inhale.

TARGET ORGANS: Not applicable.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data is available.
Environmental Fate: No data is available.

13. DISPOSAL CONSIDERATIONS

To the best of our ability, this product does not meet the definition of hazardous waste under US EPA Hazardous Waste Regulations 40CFR261. Disposal via at an approved facility is recommended. Consult state, local or provincial authorities for more restrictive requirements.

14. TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

DOT: Not Regulated

IATA: Not Regulated

15. REGULATORY INFORMATION

TSCA Inventory Status and TSCA Information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12 (B) Export Notification:

This material does not contain any TSCA 12 (b) regulated chemicals.

CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:

This product does not present any SARA 311/312 hazards.

SARA 313 Chemicals

This material does not contain any SARA 313 chemical above de minimus levels.

16. OTHER INFORMATION

HMIS® Hazard Ratings

Health	Flammability	Reactivity
1	0	0

PREPARED BY: MSDS COORDINATOR

The information given above is based on our best knowledge, and is believed it to be true and accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes. Please read the entire product bulletin along with our conditions of sale which apply to

all goods supplied by us. Wisdom Adhesives assumes no responsibility for the use of these statements, recommendations or suggestions, nor do we intend them as a recommendation for any use, which would infringe any patent or copyright.

Wisdom Adhesives
1575 Executive Drive
Elgin, IL 60123
(847) 841-7002
(847) 841-7009 (fax)

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Recommended use : Insecticide

Manufacturer, importer, supplier : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Telephone : +18005585252

Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour International Emergency Phone: (703)527-3887
24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 2	Flammable aerosol.
Gases under pressure	Liquefied gas	Contains gas under pressure; may explode if heated.

Labelling

Hazard symbols

Flame

Gas cylinder

Signal word

Warning

Hazard statements

Flammable aerosol.

Contains gas under pressure; may explode if heated.

Precautionary statements

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Protect from sunlight. Store in a well-ventilated place.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	10.00 - 30.00
Propane	74-98-6	5.00 - 10.00
Butane	106-97-8	1.00 - 5.00
Isobutane	75-28-5	1.00 - 5.00
Isopropanol	67-63-0	1.00 - 5.00
Imiprothrin	72963-72-5	0.10 - 1.00
Cypermethrin	52315-07-8	0.0001 - 0.10

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards during firefighting : Aerosol Product - Containers may rocket or explode in heat of fire. Do not allow run-off from fire fighting to enter drains or water courses.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

Further information : Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Remove all sources of ignition.
Wear personal protective equipment.
Wash thoroughly after handling.

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Use appropriate containment to avoid environmental contamination.
Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up : If damage occurs to aerosol can:
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Use only non-sparking equipment.
Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.
Do not enter places where used or stored until adequately ventilated.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Pressurized container.
Do not pierce or burn, even after use.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.
Do not spray on an open flame or other ignition source.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

Storage

Requirements for storage areas and containers : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Keep away from food, drink and animal feedingstuffs.
Keep in a dry, cool and well-ventilated place.
Protect from sunlight.
Store in a well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	1,200 mg/m3	152 ppm	-	SUPPLIER
Propane	74-98-6	-	1,000 ppm	-	ACGIH TWA
Propane	74-98-6	1,800 mg/m3	1,000 ppm	-	OSHA TWA
Butane	106-97-8	-	1,000 ppm	-	ACGIH STEL
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH STEL
Isopropanol	67-63-0	980 mg/m3	400 ppm	-	OSHA TWA
Isopropanol	67-63-0	-	400 ppm	-	ACGIH STEL
Isopropanol	67-63-0	-	200 ppm	-	ACGIH TWA

Personal protective equipment

Respiratory protection : Do not spray in enclosed areas.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

- Hand protection** : No special requirements.
- Eye protection** : No special requirements.
- Skin and body protection** : No special requirements.
- Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form** : aerosol
- Color** : clear
- Odor** : pleasant

- Odour Threshold** : No data available

- pH** : No data available

- Melting point/freezing point** : No data available
- Initial boiling point and boiling range** : No data available
- Flash point** : -7 °C
19.4 °F

- Evaporation rate** : No data available

- Flammability (solid, gas)** : No data available

- Upper/lower flammability or explosive limits** : No data available

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

Vapour pressure	:	No data available
Vapour density	:	No data available
Relative density	:	0.877 g/cm ³ at 21.11 °C
Solubility(ies)	:	partly soluble
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	
Decomposition temperature	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Oxidizing properties	:	No data available
Volatile Organic Compounds Total VOC (wt. %)*	:	12.1 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations
Other information	:	None identified :

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	Heat, flames and sparks.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Emergency Overview : Warning

Acute oral toxicity : NA GHS LD50
estimated
> 5,000 mg/kg

Acute inhalation toxicity : NA GHS LC50 (dust and mist)
estimated
> 5.1 mg/l

Acute dermal toxicity : NA GHS LD50
estimated
> 5,000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	-
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)**

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	LC50	Fish	> 1,028 mg/l	96 h
Propane	LC50	Fish	27.98 mg/l	96 h
Butane	No data available			
Isobutane	LC50	Fish	27.98 mg/l	96 h
Isopropanol	LC50	Pimephales promelas (fathead minnow)	9,640 mg/l	96 h
Imiprothrin	LC50	Oncorhynchus mykiss (rainbow trout)	0.038 mg/l	96 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)**

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

Cypermethrin	LC50	Oncorhynchus mykiss (rainbow trout)	0.00283 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.00001 mg/l	28 d

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC50 No data available		> 3,193 mg/l	48 h
Propane	LC50	Daphnid	14.22 mg/l	48 h
Butane	No data available			
Isobutane	LC50	Daphnid	16.33 mg/l	48 h
Isopropanol	EC50	Daphnia magna (Water flea)	13,299 mg/l	48 h
Imiprothrin	EC50	Daphnia magna (Water flea)	0.051 mg/l	48 h
Cypermethrin	EC50	Daphnia magna (Water flea)	0.00471 mg/l	48 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)**

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

	NOEC	Daphnia magna (Water flea)	0.00004 mg/l	21 d
--	------	----------------------------	--------------	------

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC50	Skeletonema costatum	3,198 mg/l	72 h
Propane	No data available			
Butane	No data available			
Isobutane	EC50	Green algae	8.57 mg/l	96 h
Isopropanol	EC50	Desmodesmus subspicatus (green algae)	> 1,000 mg/l	72 h
Imiprothrin	NOEC	Pseudokirchneriella subcapitata (green algae)	1.3 mg/l	72 h
Cypermethrin	ErC50 No data available		> 0.0033 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available		
Propane	70 %	< 10 d	Readily biodegradable
Butane	100 %	385.5 h	Readily biodegradable
Isobutane	70 %	< 10 d	Readily biodegradable
Isopropanol	53 %	5 d	Readily biodegradable
Imiprothrin	58 %	28 d	Not readily biodegradable.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)**

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

Cypermethrin	0.6 - 1.4 %	33 d	Not readily biodegradable.
--------------	-------------	------	----------------------------

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available	No data available
Propane	No data available	2.36
Butane	No data available	2.89
Isobutane	1.57 - 1.97	2.8
Isopropanol	0.96 estimated	0.05
Imiprothrin	58.2 Calculated	2.9
Cypermethrin	373.4 Measured	5.3 - 5.6

Mobility

Component	End point	Value
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available	-
Propane	No data available	
Butane	No data available	
Isobutane	No data available	
Isopropanol	No data available	
Imiprothrin	Koc	268
Cypermethrin	Koc	80653 - 574360

PBT and vPvB assessment

Component	Results
Propane	Not fulfilling PBT and vPvB criteria
Butane	Not fulfilling PBT and vPvB criteria
Isobutane	Not fulfilling PBT and vPvB criteria

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

Isopropanol	Not fulfilling PBT and vPvB criteria
Imiprothrin	Not fulfilling PBT and vPvB criteria
Cypermethrin	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

PESTICIDAL WASTE:

For disposal information, please read and follow Disposal instructions on the pesticide label.

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

	Land transport	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1
Transport hazard class(es)	2.1	2	2.1
Packing group	-	-	-
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.

15. REGULATORY INFORMATION

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

FIFRA Labeling

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

CAUTION:

- Contents under pressure.
- Flammable.
- Exposure to temperatures above 130° F may cause bursting.

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Registration # / Agency
4822-447/US/EPA

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	4
Reactivity	0

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 1.0

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000017507

NFPA Ratings

Health	2
Fire	4
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
-------------	--



Division of Facilities Services

**DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only**

RUBBER ROLLER CLEANER, 203

Section 1 - Product and Company Identification	Section 9 - Physical & Chemical Properties
Section 2 - Composition/Information on Ingredients	Section 10 - Stability & Reactivity Data
Section 3 - Hazards Identification Including Emergency Overview	Section 11 - Toxicological Information
Section 4 - First Aid Measures	Section 12 - Ecological Information
Section 5 - Fire Fighting Measures	Section 13 - Disposal Considerations
Section 6 - Accidental Release Measures	Section 14 - MSDS Transport Information
Section 7 - Handling and Storage	Section 15 - Regulatory Information
Section 8 - Exposure Controls & Personal Protection	Section 16 - Other Information

The information in this document is compiled from information maintained by the United States Department of Defense (DOD). Anyone using this information is solely responsible for the accuracy and applicability of this information to a particular use or situation.

Cornell University does not in any way warrant or imply the applicability, viability or use of this information to any person or for use in any situation.

**Section 1 - Product and Company Identification
RUBBER ROLLER CLEANER, 203**

Product Identification: RUBBER ROLLER CLEANER, 203
Date of MSDS: 06/20/1996 **Technical Review Date:** 02/06/1997
FSC: 7930 **NIIN:** LIIN: 00N076473
Submitter: N EN
Status Code: C
MFN: 01
Article: N
Kit Part: N

Manufacturer's Information

Manufacturer's Name: MARTIN YALE INDUSTRIES INC
Manufacturer's Address1: 251 WEDCOR
Manufacturer's Address2: WABASH, IN 46992
Manufacturer's Country: US
General Information Telephone: 219-563-0641
Emergency Telephone: 800-228-5635
Emergency Telephone: 800-228-5635
MSDS Preparer's Name: PHILIP T MILLER
Proprietary: N

Reviewed: N
 Published: Y
 CAGE: 0JF3
 Special Project Code: N

Contractor Information

Contractor's Name: MARTIN YALE INDUSTRIES INC
 Contractor's Address1: 251 WEDCOR
 Contractor's Address2: WABASH, IN 46992
 Contractor's Telephone: 219-563-0641
 Contractor's CAGE: 0JF3

Section 2 - Compositon/Information on Ingredients RUBBER ROLLER CLEANER, 203

Ingredient Name: VM & P NAPHTHA
 Ingredient CAS Number: 64742-89-8 Ingredient CAS Code: M
 RTECS Number: RTECS Code: X
 =WT: =WT Code:
 =Volume: =Volume Code:
 >WT: >WT Code:
 >Volume: >Volume Code:
 <WT: <WT Code:
 <Volume: <Volume Code:
 % Low WT: % Low WT Code:
 % High WT: % High WT Code:
 % Low Volume: % Low Volume Code:
 % High Volume: % High Volume Code:
 % Text: 35-40
 % Enviromental Weight:
 Other REC Limits: N/K
 OSHA PEL: N/K (FP N) OSHA PEL Code: M
 OSHA STEL: OSHA STEL Code:
 ACGIH TLV: 300 PPM (MFR) ACGIH TLV Code: M
 ACGIH STEL: N/P ACGIH STEL Code:
 EPA Reporting Quantity:
 DOT Reporting Quantity:
 Ozone Depleting Chemical: N

Ingredient Name: XYLENE (SARA 313) (CERCLA) LD50 (ORAL RAT): 4300 MG/KG
 Ingredient CAS Number: 1330-20-7 Ingredient CAS Code: M
 RTECS Number: ZE2100000 RTECS Code: M
 =WT: =WT Code:
 =Volume: =Volume Code:
 >WT: >WT Code:
 >Volume: >Volume Code:
 <WT: <WT Code:
 <Volume: <Volume Code:
 % Low WT: % Low WT Code:
 % High WT: % High WT Code:
 % Low Volume: % Low Volume Code:
 % High Volume: % High Volume Code:
 % Text: 1-2

% Environmental Weight:
Other REC Limits: N/K
OSHA PEL: 100 PPM OSHA PEL Code: M
OSHA STEL: OSHA STEL Code:
AC H TLV: 100 PPM/150 STEL ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code:
EPA Reporting Quantity: 1000 LBS
DOT Reporting Quantity: 1000 LBS
Ozone Depleting Chemical: N

Section 3 - Hazards Identification, Including Emergency Overview
RUBBER ROLLER CLEANER, 203

Health Hazards Acute & Chronic: ACUTE: INHAL MAY CAUSE DIZZ & DROW. HIGH VAP CONCS CAN CAUSE CNS DEPRESS. EYE CONT MAY BE IRRIT. SKIN CONT MAY CAUSE REDNESS/IRRIT. PRLNG/RPTD CONT MAY CAUSE IRRIT & DERM. INGEST OF AEROSOLS IS NOT A LIKELY RTE HOWEVER, INGEST OF LIQ MAY RSLT IN VOMIT WHICH COULD CAUSE ASPIR PNEUMIT.

Signs & Symptoms of Overexposure:
 SEE HEALTH HAZARDS.

Medical Conditions Aggravated by Exposure:
 PREEXISTING SKIN OR EYE DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT (HEXYLENE GLYCOL VAPORS MAY CAUSE CORNEAL INJURY, SLOW TO HEAL).

LD50 LC50 Mixture: SEE INGREDIENTS.

Route of Entry Indicators:
Inhalation: YES
Skin: YES
Ingestion: YES

Carcenogenicity Indicators
NTP: NO
IARC: NO
OSHA: NO

Carcinogenicity Explanation: NOT RELEVANT.

Section 4 - First Aid Measures
RUBBER ROLLER CLEANER, 203

First Aid:
 EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN WHILE HOLDING EYELIDS OPEN. GET MED ATTN IF IRRIT PERSISTS. SKIN: REMOVE CONTAM CLTHG. FLUSH SKIN W/WATER, FOLLOW BY WASHING W/SOAP & WATER. IF IRRIT OCCURS, GET MED ATTN. DO NOT REUSE CLTHG UNTIL CLEANED. INHAL: REMOVE TO FRESH AIR & PROVIDE OXYGEN IF BRTHG IS DFCLT. GIVE ARTF RESP IF NOT BRTHG. GET MED ATTN. INGEST: DO NOT INDUCE VOMIT. (SUP DAT)

Section 5 - Fire Fighting Measures
RUBBER ROLLER CLEANER, 203

Fire Fighting Procedures:
 WEAR NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). CONTAINERS SHOULD BE

COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILD UP.

Unusual Fire or Explosion Hazard:

AT ELEVATED TEMPERATURES (OVER 54C-130F) CONTAINERS EXPOSED TO DIRECT FLAME/HEAT CONTACT SHOULD BE COOLED W/WATER TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

Ex Quishing Media:

CARBON DIOXIDE, FOAM AND/OR DRY CHEMICAL MAY BE USED.

Flash Point: Flash Point Text: N/K

Autoignition Temperature:

Autoignition Temperature Text: N/A

Lower Limit(s): N/K

Upper Limit(s): N/K

Section 6 - Accidental Release Measures

RUBBER ROLLER CLEANER, 203

Spill Release Procedures:

REMOVE ALL SOURCES OF IGNITION AND VENTILATE AREA. SOAK UP SPILL WITH AN INERT ABSORBENT AND PLACE INTO A DESIGNATED DISPOSAL CONTAINER. CONSULT LOCAL REGULATORY AGENCY FOR PROPER DISPOSITION OF MATERIAL.

Section 7 - Handling and Storage

RUBBER ROLLER CLEANER, 203

Handling and Storage Precautions:

Other Precautions:

Section 8 - Exposure Controls & Personal Protection

RUBBER ROLLER CLEANER, 203

Respiratory Protection:

NONE REQUIRED IF GOOD VENTILATION IS MAINTAINED. IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

Ventilation:

LOCAL EXHAUST IS ADEQUATE UNDER NORMAL CONDITIONS, MECHANICAL VENTILATION IS OPTIONAL.

Protective Gloves:

CHEMICAL-RESISTANT GLOVES.

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).

Other Protective Equipment: ANSI APPRVD EMER EYEWASH & DELUGE SHOWER (FP N). WEAR IMPERVIOUS CLTHG TO PVNT SKIN CONT. PROT CLTHG & EQUIP (ING 12)

Work Hygienic Practices: ENSURE STRICT SANITARY CONDITIONS ARE CONFORMED TO WHEN WORKING AROUND CHEMICALS.

Supplemental Health & Safety Information: FIRST AID PROC: IF VOMIT OCCURS SPONT, ASPIR (BRTHG) OF VOMITUS INTO LUNGS MUST BE AVOIDED BY KEEPING VICTIM'S HEAD BELOW HIPS. GET MED ATTN IMMED. NOTE TO MD: PROD CONTAINS PETRO DISTIL. IF MORE THAN 2.0 ML/KG HAS BEEN INGESTED & VOMIT HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED W/SUPERVISION. (ING 9)

Section 9 - Physical & Chemical Properties

RUBBER ROLLER CLEANER, 203

ICC:

RUBBER ROLLER CLEANER, 203

NRC/State License Number:**Net Property Weight for Ammo:****Boiling Point: Boiling Point Text: N/A****Melting/Freezing Point: Melting/Freezing Text: N/K****Decomposition Point: Decomposition Text: N/K****Vapor Pressure: 140 Vapor Density: >1****Percent Volatile Organic Content:****Specific Gravity: <1 (H₂O=1)****Volatile Organic Content Pounds per Gallon:****pH: N/K****Volatile Organic Content Grams per Liter:****Viscosity: N/P****Evaporation Weight and Reference: <1 (ETHER=1)****Solubility in Water: SLIGHT****Appearance and Odor: WET, MISTY SPRAY, PETROLEUM DISTILLATE ODOR****Percent Volatiles by Volume: N/K****Corrosion Rate: N/K**

**Section 10 - Stability & Reactivity Data
RUBBER ROLLER CLEANER, 203**

Stability Indicator: YES**Materials to Avoid:**

STRONG OXIDIZING AGENTS, HEAT AND OPEN FLAME.

Stability Condition to Avoid:DO NOT STORE >54C (130F). KEEP AWAY FROM HEAT, DIRECT SUNLIGHT, OPEN FLAMES/SPKS.
DROPPING OF CONTRS MAY CAUSE BURSTING.**Hazardous Decomposition Products:**COMBUSTION MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE AND ADDITIONAL TOXIC
CHEMICALS MAY BE FORMED IN SMALL AMOUNTS.**Hazardous Polymerization Indicator: NO****Conditions to Avoid Polymerization:**

NOT RELEVANT.

**Section 11 - Toxicological Information
RUBBER ROLLER CLEANER, 203**

Toxicological Information:

N/P

**Section 12 - Ecological Information
RUBBER ROLLER CLEANER, 203**

Ecological Information:

N/P

**Section 13 - Disposal Considerations
RUBBER ROLLER CLEANER, 203**

Waste Disposal Methods:DO NOT PUNCTURE OR INCINERATE CONTAINERS. WHEN CONTENTS ARE DEPLETED CONTINUE TO
PRESS BUTTON UNTIL ALL GAS IS EXPELLED. DISPOSE OF CONTAINER IN ACCORDANCE WITH
LOCAL, STATE, AND FEDERAL REGULATIONS.

Section 14 - MSDS Transport Information

RUBBER ROLLER CLEANER, 203**Transport Information:**

N/P

**Section 15 - Regulatory Information
RUBBER ROLLER CLEANER, 203****SARA Title III Information:**

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

**Section 16 - Other Information
RUBBER ROLLER CLEANER, 203****Other Information:**

N/P

HAZCOM Label Information**Product Identification:** RUBBER ROLLER CLEANER, 203**CAGE:** 0JJF3**Assigned Individual:** N**Company Name:** MARTIN YALE INDUSTRIES INC**Company PO Box:****Company Street Address1:** 251 WEDCOR**Company Street Address2:** WABASH, IN 46992 US**Health Emergency Telephone:** 800-228-5635**Label Required Indicator:** Y**Date Label Reviewed:** 02/06/1997**Status Code:** C**Manufacturer's Label Number:****Date of Label:** 02/06/1997**Year Procured:** N/K**Organization Code:** G**Chronic Hazard Indicator:** N**Eye Protection Indicator:** YES**Skin Protection Indicator:** YES**Respiratory Protection Indicator:** YES**Signal Word:** WARNING**Health Hazard:** Moderate**Contact Hazard:** Moderate**Fire Hazard:** None**Reactivity Hazard:** None

3/9/2002 9:55:11 AM

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

MANUFACTURER'S NAME

ADDRESS

CITY, STATE, ZIP

TELEPHONE

WASHINGTON COUNTY

AUG 15 2002

Schultz Company

13260 Corporate Exchange Drive

Bridgeton MO 63044-3720

(314) 298-2700

TRADE NAME

Schultz® Plant Shine®, 12 fl oz

RISK MANAGEMENT

SECTION II - HAZARDOUS INGREDIENTS

None.

SECTION III - PHYSICAL & CHEMICAL DATA

Boiling Point - 100 degrees C.

VAP Pressure - Nil

Soluble in Water - Miscible in all proportions.

Composition - Mixture of waxes, resins & soaps.

Specific Gravity - 1.0

Appearance - Clear liquid, slight odor.

Biodegradable - Yes

SECTION IV - Health Hazard Data

This product is GRAS (generally recognized as safe), but is not intended for human consumption.

Get medical attention if more than 1/2 teaspoon is accidentally swallowed.

Carcinogenic: NO

SECTION V - Control Measures

Not necessary.

SECTION VI - Spill or Leak Procedures

Spray off with water hose.

SECTION VII - Waste Disposal

Same as for household detergents.

SECTION VIII - Environmental

This product presents no known hazard to the environment. Formula is completely biodegradable.

Bottle and closure are recyclable. Packaging is minimal to protect product under all shipment and use conditions and to give vital information on use.

SECTION IX - Additional Information

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use.

Revised 01/01

**MATERIAL SAFETY
 DATA SHEET**



Copyright, 1997, Minnesota Mining and Manufacturing Company.
 All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that:
 1) the information is copied in full with no changes unless prior agreement is obtained from 3M, and
 2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION

TRADE NAME:

SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)

ID NUMBER/U.P.C.: CS-0406-1344-3 - - - CS-0406-6934-6 - - -
 62-6092-3725-0 00-51135-06092-6 62-6094-4825-3 00-51135-06094-0

ISSUED: NOVEMBER 25, 1997
SUPERSEDES: AUGUST 23, 1996
DOCUMENT: 10-4798-4

1. INGREDIENT	C.A.S. NO.	PERCENT		
PROPANE	74-98-6	20.0	-	30.0
N-HEXANE	110-54-3	20.0	-	30.0
HEXANE (OTHER ISOMERS)	None	10.0	-	20.0
NONVOLATILE COMPONENTS - N.J. TRADE SECRET (T.S.) REGISTRY NO. 04499600-5478P ++				
ACETONE	67-64-1	7.0	-	13.0
NAPHTHOL SPIRITS	64742-48-9	5.0	-	10.0

NOTE: ++ synthetic polymers, resins, synthetic rubber, antioxidant, u.v. absorber, adhesion promoter and fillers. Not hazardous according to Canadian WHMIS criteria. Non-WHMIS controlled.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:
 N-HEXANE

2. PHYSICAL DATA

BOILING POINT:..... Compressed gas
VAPOR PRESSURE:..... Compressed gas
VAPOR DENSITY: 2.97 Air = 1
EVAPORATION RATE:..... 1.90 Ether = 1
SOLUBILITY IN WATER: Nil
SP. GRAVITY:..... N/A
PERCENT VOLATILE: ca. 86 % by wt
pH: N/A
VISCOSITY: N/A
MELTING POINT:..... N/D
APPEARANCE AND ODOR: thin liquid in aerosol container, light cream, characteristic solvent odor

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEETMSDS: SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)
NOVEMBER 25, 1997

PAGE: 2 of 6

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F
FLAMMABLE LIMITS - LEL: 2.60 % by vol
FLAMMABLE LIMITS - UEL: 12.80 % by vol
AUTOIGNITION TEMPERATURE: ... N/D

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 4 REACTIVITY: 1
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA**STABILITY:** Stable**INCOMPATIBILITY - MATERIALS TO AVOID:**

Heat.

HAZARDOUS POLYMERIZATION: Will Not Occur**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon Monoxide and Carbon Dioxide, Aldehydes, Ketones, Hydrocarbons.

5. ENVIRONMENTAL INFORMATION**SPILL RESPONSE:**

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate area. Extinguish all ignition sources. Cover with absorbent material. Collect using non-sparking tools. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill. Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 86 % (600 g/l) SCAQMD Rule 443.1, calculated.

MATERIAL SAFETY
DATA SHEET

MSDS: SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)
NOVEMBER 25, 1997

PAGE: 3 of 6

5. ENVIRONMENTAL INFORMATION (continued)

VOC Less H₂O & Exempt Solvents: ca. 86 % (600 g/l) SCAQMD Rule 443.1, calculated.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes **PRESSURE:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact with vapor, spray, or mist. Wear vented goggles. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: polyethylene/ethylene vinyl alcohol, polytetrafluoroethylene (Teflon).

VENTILATION PROTECTION:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
 DATA SHEET



MSDS: SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)
 NOVEMBER 25, 1997

PAGE: 4 of 6

7. PRECAUTIONARY INFORMATION (continued)

RECOMMENDED STORAGE:

Store at temperatures below 120 degrees F (49 degrees C). Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame, and other sources of ignition. Extremely flammable liquid and vapor. Do not pierce or burn container, even after use. Avoid static discharge.

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
PROPANE	1000	ppm	TWA OSHA	
PROPANE	NONE	NONE	NONE ACGIH	
	Simple asphyxiant			
N-HEXANE	50	ppm	TWA ACGIH	
N-HEXANE	50	ppm	TWA OSHA	
HEXANE (OTHER ISOMERS)	NONE	NONE	NONE NONE	
NONVOLATILE COMPONENTS - N.J. TRADE SECRET (T.S.) REGISTRY NO. 04499600-5478P ++	NONE	NONE	NONE NONE	
ACETONE	750	ppm	TWA ACGIH	
ACETONE	1000	ppm	STEL ACGIH	
ACETONE	750	ppm	TWA OSHA	
ACETONE	1000	ppm	STEL OSHA	
NAPHTHOL SPIRITS	100	ppm	TWA 3M	
NAPHTHOL SPIRITS	300	ppm	TWA CMRG	

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- 3M: 3M Medical Department Guideline
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact):

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEETMSDS: SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)
NOVEMBER 25, 1997

PAGE: 5 of 6

8. HEALTH HAZARD DATA (continued)

signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin in harmful amounts.

INHALATION:

Intentional concentration and inhalation may be harmful or fatal.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Peripheral Neuropathy: signs/symptoms can include tingling of extremities, incoordination, numbness, weakness and tremors.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

SECTION CHANGE DATES

ENVIRON. DATA	SECTION CHANGED SINCE	AUGUST 23, 1996 ISSUE

MATERIAL SAFETY
DATA SHEET

MSDS: SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)
NOVEMBER 25, 1997

PAGE: 6 of 6

SECTION CHANGE DATES

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

MATERIAL SAFETY DATA SHEET: SIMPLE GREEN®

also for : SIMPLE GREEN® SCRUBBING PAD

I. PRODUCT & COMPANY INFORMATION

Version No. 10012
Issue Date: January 2006

PRODUCT NAME: SIMPLE GREEN® ALL-PURPOSE CLEANER Page 1 of 4
SIMPLE GREEN® CONCENTRATED CLEANER / DEGREASER / DEODORIZER
SIMPLE GREEN® SCRUBBING PAD

COMPANY NAME: SUNSHINE MAKERS, INC.
15922 Pacific Coast Highway
Huntington Harbour, CA 92649 USA
Telephone: 800-228-0709 • 562-795-6000
Fax: 562-592-3034
Website: www.simplegreen.com

For 24-hour emergency, call Chem-Tel, Inc.: 800-255-3924

USE OF PRODUCT: An all purpose cleaner and degreaser used diluted in water for direct, spray, and dip tank procedures. (Scrubbing pad is used with water for manual scrubbing applications.)

II. INGREDIENT INFORMATION

The only ingredient of Simple Green® with established exposure limits is undiluted 2-butoxyethanol (<6%) (Butyl Cellosolve; CAS No. 111-76-2): the ACGIH TLV-TWA is 20 ppm (97 mg/m³).

Based upon chemical analysis, Simple Green® contains no known EPA priority pollutants, heavy metals, or chemicals listed under RCRA, CERCLA, or CWA. Analysis by TCLP (Toxicity Characteristic Leaching Procedure) according to RCRA revealed no toxic organic or inorganic constituents.

All components of Simple Green® are listed on the TSCA Chemical Substance Inventory.

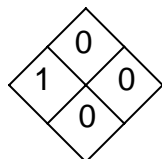
III. HAZARDS IDENTIFICATION

UN Number: Not required
Dangerous Goods Class: Nonhazardous

NJ TRADE SECRET REGISTRATION NUMBERS	
80100235-5000p	80100235-5005p
80100235-5001p	80100235-5006p
80100235-5002p	80100235-5007p
80100235-5003p	80100235-5008p
80100235-5004p	80100235-5009p

Hazard Rating (NFPA/HMIS)

Health = 1* Reactivity = 0
Fire = 0 Special = 0



Rating Scale

0 = minimal 1 = slight
2 = moderate 3 = serious
4 = severe

*Mild eye irritant, non-mutagenic and non-carcinogenic. **None of the ingredients in Simple Green® are regulated or listed as cancer agents by Federal OSHA, NTP, or IARC.**

IV. FIRST AID MEASURES

SYMPTOMS OF OVEREXPOSURE AND FIRST AID TREATMENT

- Eye contact: Reddening may develop. Immediately rinse the eye with large quantities of cool water; continue 10-15 minutes or until the material has been removed; be sure to remove contact lenses, if present, and to lift upper and lower lids during rinsing. Get medical attention if irritation persists.
- Skin contact: Minimal effects, if any; rinse skin with water, rinse shoes and launder clothing before reuse. Reversible reddening may occur in some dermal-sensitive users; thoroughly rinse area and get medical attention if reaction persists.
- Swallowing: Essentially non-toxic. Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.
- Inhalation: Non-toxic. Exposures to concentrate-mist may cause mild irritation of nasal passages or throat; remove to fresh air. Get medical attention if irritation persists.
-

V. FIRE FIGHTING MEASURES

Simple Green® is stable, not flammable, and will not burn.

- Flash Point/Auto-Ignition: Not flammable.
Flammability Limits: Not flammable.
Extinguishing Media: Not flammable/nonexplosive. No special procedures required.
Special Fire Fighting Procedures: None required.
-

VI. ACCIDENTAL RELEASE MEASURES

Recover usable material by convenient method; residual may be removed by wipe or wet mop. If necessary, unrecoverable material may be washed to drain with large quantities of water.

VII. HANDLING, STORAGE & TRANSPORT INFORMATION

No special precautions are required. **This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations.** Simple Green® requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

UN Number: Not required

Dangerous Goods Class: Non-hazardous

VIII. EXPOSURE CONTROLS

Exposure Limits: The Simple Green® formulation presents no health hazards to the user when used according to label directions for its intended purposes. Mild skin and eye irritation is possible (please see Eye contact and Skin contact in Section IV.).

Ventilation: No special ventilation is required during use.

Human Health Effects or Risks from Exposure: Adverse effects on human health are not expected from Simple Green®, based upon twenty years of use without reported adverse health incidence in diverse population groups, including extensive use by inmates of U.S. Federal prisons in cleaning operations.

Simple Green® is a mild eye irritant; mucous membranes may become irritated by concentrate-mist.

Simple Green® is not likely to irritate the skin in the majority of users. Repeated daily application to the skin without rinsing, or continuous contact of Simple Green® on the skin may lead to temporary, but reversible, irritation.

Medical Conditions Aggravated by Exposure: No aggravation of existing medical conditions is expected; dermal sensitive users may react to dermal contact by Simple Green®.

IX. PERSONAL PROTECTION

Precautionary Measures:	No special requirements under normal use conditions.
Eye Protection:	Caution, including reasonable eye protection, should always be used to avoid eye contact where splashing may occur.
Skin Protection:	No special precautions required; rinse completely from skin after contact.
Respiratory Protection:	No special precautions required.
Work and Hygienic Practices:	No special requirements. Wash or rinse hands before touching eyes or contact lenses.

X. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/odor:	Translucent green liquid with characteristic sassafras odor. (Scrubber is green fibrous rectangle.)		
Specific Gravity:	1.0257	Vapor Pressure:	17 mm Hg @ 20 °C; 22 mm Hg @ 25 °C
pH of concentrate:	9.5	Vapor Density:	1.3 (air = 1)
Evaporation:	>1 (butyl acetate = 1)	Density:	8.5 lbs./gallon
Boiling Point:	110 °C (231 °F)		
Freezing Point:	-9 °C (16 °F) If product freezes, it will reconstitute without loss of efficacy when brought back to room temperature and agitated.		
VOC Composite Partial Pressure:	0.006 mm Hg @ 20 °C		
Volatile Organic Compounds (VOCs):	7.96 g/L per ASTM Method 3960-90. Per EPA Method 24, VOCs are 5.9% and product must be diluted at least 1 part of water to 1 part Simple Green® in order to meet CARB 2005 VOC regulations -or 1 part Simple Green to 3 parts water to meet SCAQMD Rule 1171 & Rule 1122 and BAAQMD Regulation 8-16 VOC requirements for solvent cleaning operations.		
Water Solubility:	Completely soluble in water. The higher salt concentrations in marine ecosystems will lead to complexes with Simple Green® that may become visible at ratios above one part Simple Green® to 99 parts seawater.		
Ash Content:	At 600 °F: 1.86% by weight.		
Nutrient Content:	Nitrogen: <1.0% by weight (fusion and qualitative test for ammonia). Phosphorus: 0.3% by formula. Sulfur: 0.6% by weight (barium chloride precipitation method).		
Detection:	Simple Green® has a characteristic sassafras odor that is not indicative of any hazardous situation.		

XI. STABILITY AND REACTIVITY INFORMATION

Nonreactive. Simple Green® is stable, even under fire conditions, and will not react with water or oxidizers. Hazardous polymerization will not occur.

XII. TOXICOLOGICAL INFORMATION

Nonhuman Toxicity

Acute Mortality Studies:

Oral LD₅₀ (rat): >5.0 g/kg body weight // Dermal LD₅₀ (rabbit): >2.0 g/kg body weight

Dermal Irritation: Only mild, but reversible, irritation was found in a standard 72-hr test on rabbits. A value of 0.2 (non-irritating) was found on a scale of 8.

Eye Irritation: With or without rinsing with water, the irritation scores in rabbits at 24 hours did not exceed 15 (mild irritant) on a scale of 110.

Subchronic dermal effects: No adverse effects, except reversible dermal irritation, were found in rabbits exposed to Simple Green® (up to 2.0 g/kg/day for 13 weeks) applied to the skin of 25 males and 25 females. Only female body weight gain was affected. Detailed microscopic examination of all major tissues showed no adverse changes.

Fertility Assessment by Continuous Breeding: The Simple Green® formulation had no adverse effect on fertility and reproduction in CD-1 mice with continuous administration for 18 weeks, and had no adverse effect on the reproductive performance of their offspring.

XIII. BIODEGRADABILITY AND ENVIRONMENTAL TOXICITY INFORMATION

Biodegradability:

Simple Green® is readily decomposed by naturally occurring microorganisms. The biological oxygen demand (BOD), as a percentage of the chemical oxygen demand (COD), after 4, 7, and 11 days was 56%, 60%, and 70%, respectively. Per OECD Closed Bottle Test, Simple Green® meets OECD and EPA recommendations for ready biodegradability. In a standard biodegradation test with soils from three different countries, Butyl Cellosolve reached 50% degradation in 6 to 23 days, depending upon soil type, and exceeded the rate of degradation for glucose which was used as a control for comparison.

Environmental Toxicity Information:

Simple Green® is considered practically non-toxic per EPA's aquatic toxicity scale. Simple Green® is non-lethal to any of the marine and estuarine test animals listed in the following table at concentrations below 200 mg/L (0.02%). This table shows the Simple Green® concentrations that are likely to be lethal to 50% of the exposed organisms.

	<u>LC₅₀ in mg/L (ppm)</u>	
	<u>48-hour</u>	<u>96-hour</u>
<u>Marine Fish:</u>		
Mud minnow (<i>Fundulus heteroclitus</i>)	1690	1574
Whitebait (<i>Galaxias maculatus</i>)	210	210
<u>Marine/Estuarine Invertebrates:</u>		
Brine Shrimp (<i>Artemia salina</i>)	610	399
Grass Shrimp (<i>Palaemonetes pugio</i>)	270	220
Green-lipped Mussel (<i>Perna canaliculus</i>)	220	220
Mud Snail (<i>Potamopyrgus estuarinus</i>)	410	350

XIV. DISPOSAL CONSIDERATIONS

Simple Green® is fully water soluble and biodegradable and will not harm sewage-treatment microorganisms if disposal by sewer or drain is necessary. Dispose of in accordance with all applicable local, state, and federal laws.

XV. OTHER INFORMATION

Containers: Simple Green® residues can be completely removed by rinsing with water; the container may be recycled or applied to other uses.

Electrical Wiring Compatibility: Polyimide insulated wiring is not affected by exposure to Simple Green®. After immersion in Simple Green® for 14 days at 74°F, the 61 cm piece of polyamide insulated wire passed a one minute dielectric proof test at 2500 volts (ASTM D-149).

Contact Point: Sunshine Makers, Inc., Research and Development Division: 562-795-6000.

National Stock Numbers:

PART#	NSN	SIZE	PART#	NSN	SIZE
13012	7930-01-342-5315	24 oz. spray (12/cs)	13016	7930-01-342-5317	15 gal.
13005	7930-01-306-8369	1 gal. (6/cs)	13008	7930-01-342-4145	55 gal.
13006	7930-01-342-5316	5 gal.	Scrubbing Pad: 10224	7930-01-346-9148	Each (24/cs)

*** NOTICE ***

All information appearing herein is based upon data obtained by the manufacturer & recognized technical sources. Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of this information, Sunshine Makers, Inc. or its distributors extends no warranties, makes no representations and assumes no responsibility as to the suitability of such information for application to purchaser's intended purposes or for consequences of its use.

MATERIAL SAFETY DATA SHEET

Glass & Mirror Cleaner (STP18485)(BPR123A19-A)

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Glass & Mirror Cleaner (STP18485)(BPR123A19-A)
Product Number: A00123
Product Use: Cleaner.
Manufacturer/Supplier: Staples Contract & Commercial, Inc.
500 Staples Drive,
Framingham, MA 01702 USA
Phone Number: 1-888-322-0912
D.O.T. Emergency Phone: 1-888-322-0912 (24-hours, 7 days a week)
Date of Preparation: August 26, 2012 **Revision #:** 3.1

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS: See Section 15

DANGER

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY CAUSE RESPIRATORY SENSITIZATION. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED. HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

Inhalation: May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation. May cause sensitization by inhalation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Propane	74-98-6	1 - 5
Ethanol	64-17-5	1 - 5
Ethylene glycol monobutyl ether	111-76-2	0.5 - 1.5
Isobutane	75-28-5	0.5 - 1.5
Monoethanolamine	141-43-5	0.1 - 1

MATERIAL SAFETY DATA SHEET

Glass & Mirror Cleaner (STP18485)(BPR123A19-A)

Section 4: FIRST AID MEASURES

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
- Skin Contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

- Flammability:** Not flammable by WHMIS/OSHA criteria.
- Means of Extinction:**
- Suitable Extinguishing Media:** Powder, foam, carbon dioxide.
 - Unsuitable Extinguishing Media:** Water.
- Products of Combustion:** May include, and are not limited to: oxides of carbon.
- Explosion Data:**
- Sensitivity to Mechanical Impact:** Not available.
 - Sensitivity to Static Discharge:** Not available.
- Protection of Firefighters:** Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.
- Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
- Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.
- Other Information:** Not available.

MATERIAL SAFETY DATA SHEET

Glass & Mirror Cleaner (STP18485)(BPR123A19-A)

Section 7: HANDLING AND STORAGE

Handling:

Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Do not store at temperatures above 49 °C / 120 °F. Keep away from food, drink and animal foodstuffs.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Propane	1000 ppm	1000 ppm
Ethanol	1000 ppm	1000 ppm
Ethylene glycol monobutyl ether	50 ppm	20 ppm
Isobutane	Not available.	1000 ppm
Monoethanolamine	3 ppm	3 ppm

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

HMIS: See Section 15

Eye/Face Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear.
Colour:	Colorless.
Odour:	Floral/fruity/spice.
Odour Threshold:	Not available.
Physical State:	Gas/Pressurized Liquid.
pH:	10-11
Viscosity:	Not available.
Freezing Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation Rate:	Not available.
Lower Flammability Limit:	Not available.

MATERIAL SAFETY DATA SHEET

Glass & Mirror Cleaner (STP18485)(BPR123A19-A)

Upper Flammability Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Specific Gravity:	0.993 (Concentrate only)
Solubility in Water:	Complete.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	7.6% (US federal/CARB/OTC/LADCO)
VOC content, g/L:	Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Oxidizers.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD₅₀ (oral)	LC₅₀
Propane	Not available.	658 mg/L 4hr, rat
Ethanol	7060 mg/kg, rat	124.7 mg/L 4hr, rat; 450 ppm 4hr, rat;
Ethylene glycol monobutyl ether	470 mg/kg, rat	2.21 mg/L 4hr, rat
Isobutane	Not available.	658 mg/L 4hr, rat
Monoethanolamine	1720 mg/kg, rat	Not available.

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Handling can cause dry skin.

Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

Inhalation: May cause respiratory tract irritation. May cause respiratory sensitization. This product may be aspirated into the lungs and cause chemical pneumonitis.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS/OSHA criteria.

Carcinogenicity: Hazardous by WHMIS/OSHA criteria.

MATERIAL SAFETY DATA SHEET
Glass & Mirror Cleaner (STP18485)(BPR123A19-A)

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen *
Propane	Not listed.
Ethanol	G-A3, I-1 (in alcoholic beverages), O
Ethylene glycol monobutyl ether	G-A3, I-3
Isobutane	Not listed.
Monoethanolamine	Not listed.

* See Section 15 for more information.

Mutagenicity: Hazardous by WHMIS/OSHA criteria.

Reproductive Effects: Not hazardous by WHMIS/OSHA criteria.

Developmental Effects:

Teratogenicity: Not hazardous by WHMIS/OSHA criteria.

Embryotoxicity: Not hazardous by WHMIS/OSHA criteria.

Respiratory Sensitization: Hazardous by WHMIS/OSHA criteria.

Skin Sensitization: Not hazardous by WHMIS/OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification

ORM-D, Limited Quantity

TDG Classification

Limited Quantity

Section 15: REGULATORY INFORMATION

Federal Regulations

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

MATERIAL SAFETY DATA SHEET

Glass & Mirror Cleaner (STP18485)(BPR123A19-A)

SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Propane	Not listed.	Not listed.	Not listed.	Not listed.
Ethanol	Not listed.	Not listed.	Not listed.	Not listed.
Ethylene glycol monobutyl ether	Not listed.	Not listed.	Not listed.	Yes.
Isobutane	Not listed.	Not listed.	Not listed.	Not listed.
Monoethanolamine	Not listed.	Not listed.	Not listed.	Not listed.

State Regulations

California Proposition 65:

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Global Inventories

Ingredient	Canada DSL/NDSL	USA TSCA
Propane	DSL	Yes.
Ethanol	DSL	Yes.
Ethylene glycol monobutyl ether	DSL	Yes.
Isobutane	DSL	Yes.
Monoethanolamine	DSL	Yes.

HMIS - Hazardous Materials Identification System

Health - 1* Flammability - 1 Physical Hazard - 0 PPE – B

NFPA - National Fire Protection Association:

Health - 1 Fire - 1 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):

- Class A - Compressed Gas
- Class D2A - Carcinogenicity
- Class D2A - Mutagenicity
- Class D2A - Respiratory Sensitization
- Class D2B - Skin/Eye Irritant

WHMIS Hazard Symbols:



MATERIAL SAFETY DATA SHEET

Glass & Mirror Cleaner (STP18485)(BPR123A19-A)

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Disclaimer:

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

Expiry Date: August 26, 2015

Prepared by: Nexreg Compliance Inc.

Prepared for: Staples Contract & Commercial, Inc. - Phone: 1-888-322-0912

WAXIE Sanitary Supply
Item Number: 070274
Emergency Phone: (800) 544-8054
Cust#: 00000004



Material Safety Data Sheet
OSHA's Hazard Communication Standard
U.S. Department of Labor

OMB No. 1218-0072

29 CFR 1910.1200

Name STEAM T CLEAN CARPET EXTRACTION CLEANER

Identify # 070271; 070274

Section 1
Manufactured For - Wuxie Sanitary Supply
Address - 8555 VIAVA WAY
Emergency Phone (Chem-Tel) 1-(800) 255-3824
City - San Diego State - CA 92123-1038
Phone - (800) 885-4478

Date Prepared - 4/9/2005

Section 2 - Hazardous Ingredients/Identify Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	Weight% (Order #)
2-Ethoxy Ethanol	111782	26PPM	26PPM	
Aromatic Hydrocarbons	1338216	30PPM	30PPM	

Note: A GARA 313 Chemical

VOC Content - 42.8 g/L

Section 3 - Physical/Chemical Characteristics

Boiling Point - >212 F
Vapor Pressure - Not Tested
Vapor Density - Not Tested
Solubility in Water - 100%
Appearance and Color - GREEN/WHITE ODOUR
Specific Gravity - 1.080
pH - 8.0-10.5
Melting Point - Not Tested
Explosion Limits - Not Tested

Section 4 - Fire and Explosion Hazard Data

Flash Point - None
Furnace Limits - Not Tested
LEL - Not Tested
UEL - Not Tested
DOT# NONE

NFPA Hazard Rating - H F R S
1 0 0 0
(0 - Least & Extreme)

Extinguishing Media - CO2, DRY FOAM

Special Fire Fighting Procedures NONE

Unusual Fire and Explosion Hazards - NONE

Section 5 - Reactivity Data

Stability - Stable

Conditions to Avoid - None

Incompatible Materials to Avoid - Strong Oxidizers

Hazardous Decomposition or Byproducts - CO, CO2

Hazardous Polymerization - NONE

Conditions to Avoid - None

WAXIE Sanitary Supply Item Number: 070274
Emergency Phone: (800) 544-8054
Cust#: 000000004

Section 6 - Health Hazard Data

Routes of Entry
Inhalation? - Possible
Skin? - Possible
Ingestion? - Possible
Health Hazards - Same as Signs and Symptoms of Exposure
Ingestion? - Possible
Skin? - Possible
OHA Carcinogenicity? - None; NTP - None; IARC Monographs? - None.
§ 070274: 070274

Signs and symptoms of over exposure:

Eyes - Burning Irritation
Skin - Slight Irritation

Ingestion-Nausea, Slight Irritation

Inhalation- Dizziness, Headaches

Medical Conditions Generally Aggravated by Exposure - Same as Signs and Symptoms of Over Exposure.

Emergency and First Aid Procedures

Eyes - Flush With Water For 15 Minutes. If Irritation Persists, Call Physician.
Skin - Wash On With Soap & Water. If Irritation Persists, Call Physician.

Ingestion- Drink Large Amounts of Water, Call Physician

Inhalation- Get Person to Fresh Air If Unconscious, Call Physician

Section 7 - Procedures For Safe Handling and Use

Ships to be taken in case material is released or spilled - Contain with an inert, absorbent material. Collect in an approved container and place in a proper waste disposal container.
Waste Disposal Method - Dispose of in accordance with state and local regulations.
Precautions To Be Taken in Handling and Storing - Store in a cool, dry place, out of direct sunlight. Do not reheat, use above or equal to 32 F., or heat above 110 F.
Other Precautions - Keep out of reach of children. Follow directions on the container for proper use of this product.

Section 8 - Control Measures

Respiratory Protection - Open all doors and windows. If there is an exposure, and it is above the TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134, is required.
Ventilation - Local Exhaust - If Available
Special - None
Mechanical - If Available
Other - None
Protective Gloves - Plastics or Rubber, Chemical Resistant
Eye Protection - Goggles, Goggles
Other Protective Clothing or Equipment - None
Hygiene Work Practices - Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business. Deviations for use are normally found on label which will detail engineering and control measures.
Other Special Requirements

Note: Waxes believe the data set forth are accurate. Waxes makes no warranty with respects to results and decisions all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customer's discretion.

MATERIAL SAFETY DATA SHEET

20000
01 00

DATE OF PREPARATION
Jan 16, 2014

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

20000

PRODUCT NAME

TRI-FLOW® Superior Lubricant with PTFE

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
Consumer Group - Industrial
Cleveland, OH 44115

Telephone Numbers and Websites

Product Information	www.triflowlubricants.com
Regulatory Information	(216) 566-2902 www.paintdocs.com
Medical Emergency	(216) 566-2917
Transportation Emergency*	(800) 424-9300
<i>*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)</i>	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
10	74-98-6	Propane		
		ACGIH TLV	1000 PPM	760 mm
		OSHA PEL	1000 PPM	
10	106-97-8	Butane		
		ACGIH TLV	1000 PPM	760 mm
		OSHA PEL	800 PPM	
24	64742-47-8	Aliphatic Solvent		
		ACGIH TLV	Not Available	0.00787 mm
		OSHA PEL	Not Available	
2	64741-97-5	Naphthenic Oil		
		ACGIH TLV	5 mg/m3 as Mist	
		OSHA PEL	Not Available	
39	64742-52-5	Heavy Naphthenic Petroleum Oil		
		ACGIH TLV	Not Available	
		OSHA PEL	Not Available	
3	64742-65-0	Heavy Paraffinic Oil		
		ACGIH TLV	5 mg/m3 as Mist	
		OSHA PEL	5 mg/m3 as Mist	
2	628-63-7	Amyl Acetate		
		ACGIH TLV	100 PPM	4 mm
		OSHA PEL	100 PPM	

SECTION 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

HMIS Codes

Health	2
Flammability	4
Reactivity	0

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES**FLASH POINT**

Propellant < 0 °F

LEL

0.7

UEL

9.5

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE**STORAGE CATEGORY**

Not Available

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION**PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

PROTECTIVE GLOVES

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	6.48 lb/gal	776 g/l
SPECIFIC GRAVITY	0.78	
BOILING POINT	<0 - 460 °F	<-18 - 237 °C
MELTING POINT	Not Available	
VOLATILE VOLUME	55%	
EVAPORATION RATE	Faster than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	Not Available	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)		
	Volatile Weight 46.26%	Less Water and Federally Exempt Solvents

SECTION 10 — STABILITY AND REACTIVITY**STABILITY — Stable****CONDITIONS TO AVOID**

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION**CHRONIC HEALTH HAZARDS**

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

TOXICOLOGY DATA

CAS No.	Ingredient Name			
74-98-6	Propane	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
106-97-8	Butane	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
64742-47-8	Aliphatic Solvent	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
64741-97-5	Naphthenic Oil	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
64742-52-5	Heavy Naphthenic Petroleum Oil	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
64742-65-0	Heavy Paraffinic Oil	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
628-63-7	Amyl Acetate	LC50 RAT	4HR	Not Available
		LD50 RAT		6500 mg/kg

SECTION 12 — ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION**

No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS**WASTE DISPOSAL METHOD**

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

US Ground (DOT)

May be classed as LTD. QTY. OR ORM-D
UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, (ERG#126)

Canada (TDG)

May be classed as LTD. QTY. OR ORM-D
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, (ERG#126)

IMO

May be shipped as Limited Quantity
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, EmS F-D, S-U

IATA/ICAO

UN1950, AEROSOLS, FLAMMABLE, 2.1, LIMITED QUANTITY

SECTION 15 — REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
	Barium Compound	2	0.06

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.



Safety Data Sheet

1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company Address: 9715 Business Park Ave San Diego, CA , USA Post code: 92131 Telephone: +1-800-448-9340 +1-858-251-5600 24 Hour Emergency Phone Number: 1-888-324-7596 (PROSAR) Chemical Spills: 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)	Chemical Name: Organic Mixture Trade Name: WD-40 Aerosol Product Use: Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion SDS Date Of Preparation: 12/28/17
---	--

2 – Hazards Identification

GHS Classification:

Flammable Aerosol Category 1

Aspiration Toxicity Category 1

Skin Irritation Category 3

Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)



DANGER!

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

H304 May be fatal if swallowed and enters airways.

H316 Causes mild skin irritation.

H336 May cause drowsiness or dizziness.

Prevention

P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing mist or vapors.

P271 Use only outdoors or in a well-ventilated area.

Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 Do NOT induce vomiting.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER or doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical attention.

Storage

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501 Dispose of contents and container in accordance with local and national regulations.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	GHS Classification
Aliphatic Hydrocarbon	64742-47-8	50-70%	Flammable Liquid Category 3 Aspiration Toxicity Category 1 Skin Irritation Category 3 Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)
Petroleum Base Oil	64742-56-9 64742-65-0 64742-53-6 64742-54-7 64742-71-8	<25%	Not Hazardous
Non-Hazardous Ingredients	Mixture	<10%	Not Hazardous
Carbon Dioxide	124-38-9	2-3%	Gas Under Pressure: Compressed Gas

4 – First Aid Measures

Ingestion (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.

Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.

Skin Contact: Wash with soap and water. If irritation develops and persists, get medical attention.

Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

Most Important Symptoms (acute and delayed): Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. Prolonged skin contact may cause drying of the skin. Inhalation of mists or vapors may cause nasal and respiratory tract irritation and central nervous system effects such as headache, dizziness and nausea.

Indication of Immediate Medical Attention or Special Treatment: Immediate medical attention is required for ingestion.

5 – Fire Fighting Measures

Extinguishing Media: Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.

Unusual Fire and Explosion Hazards: Contents under pressure. Extremely flammable aerosol. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors can cause a flash fire. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. A vapor and air mixture can create an explosion hazard in confined spaces.

6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Eliminate all sources of ignition and ventilate area. Wear appropriate protective clothing (see Section 8).

Environmental Precautions: Report spills to authorities as required.

Methods and Materials for Containment/Cleanup: Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces

and open flames. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.

Conditions for Safe Storage, including any incompatibilities: Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C (NFPA 30B) Level 3 Aerosol. Store away from oxidizers.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Aliphatic Hydrocarbon	1200 mg/m ³ TWA (manufacturer recommended)
Petroleum Base Oil	5 mg/m ³ TWA (inhalable) ACGIH TLV (as mineral oil) 5 mg/m ³ TWA OSHA PEL (as oil mist, mineral)
Non-Hazardous Ingredients	None Established
Carbon Dioxide	5000 ppm TWA, 30,000 ppm STEL ACGIH TLV 5000 ppm TWA OSHA PEL

The Following Controls are Recommended for Normal Consumer Use of this Product

Engineering Controls: Use in a well-ventilated area.

Personal Protection:

Eye Protection: Avoid eye contact. Always spray away from your face.

Skin Protection: Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.

Respiratory Protection: None needed for normal use with adequate ventilation.

For Bulk Processing or Workplace Use the Following Controls are Recommended

Engineering Controls: Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

Personal Protection:

Eye Protection: Safety goggles recommended where eye contact is possible.

Skin Protection: Wear chemical resistant gloves.

Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Work/Hygiene Practices: Wash with soap and water after handling.

9 – Physical and Chemical Properties

Appearance:	Light amber liquid	Flammable Limits:	LEL: 0.7% UEL: 5.6% (Aliphatic Hydrocarbon)
Odor:	Mild petroleum odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Greater than 1 (air=1)
pH:	Not established	Relative Density:	Not established
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	320-388°F (160-198°C) (Aliphatic Hydrocarbon)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	109°F (43°C) (Aliphatic Hydrocarbon)	Autoignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Flammable Aerosol	Viscosity:	Not established
VOC:	533 grams/liter (65%)	Pour Point:	Not established

10 – Stability and Reactivity

Reactivity: Non-reactive

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide, smoke fumes, unburned hydrocarbons.

11 – Toxicological Information

Symptoms of Overexposure:

Inhalation: Mist or vapors can irritate the throat and lungs. High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

Skin Contact: Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.

Eye Contact: Contact may be irritating to eyes. May cause redness, stinging, swelling and tearing.

Ingestion: This product has low oral toxicity. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

Chronic Effects: None expected.

Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

Suspected Cancer Agent:

Yes No X

Numerical Measures of Toxicity:

Acute Toxicity Estimates: Oral > 5,000 mg/kg; Dermal >2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.

12 – Ecological Information

Ecotoxicity: No specific aquatic toxicity data is currently available; however components of this product are not expected to be harmful to aquatic organisms

Persistence and Degradability: Components are expected to be readily biodegradable.

Bioaccumulative Potential: Bioaccumulation is not expected based on an assessment of the ingredients.

Mobility in Soil: No data available.

Other Adverse Effects: None Known

13 - Disposal Considerations

Aerosol containers should not be punctured, compacted in home trash compactors or incinerated. Empty containers may be disposed of through normal waste management options. Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, state and local regulations.

14 – Transportation Information

DOT Surface Shipping Description: UN1950, Aerosols, 2.1 Ltd. Qty

(Note: Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark)

IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY

ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1

NOTE: WD-40 Company does not test aerosol cans to assure that they meet the pressure and other requirements for transport by air. We do not recommend that our aerosol products be transported by air.

15 – Regulatory Information

U.S. Federal Regulations:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: See OSHA Hazard Classification in Section 2.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

International Information:

China Regulations on the Control over Safety of Dangerous Chemicals: All ingredients in this product are listed on the IECSC (Inventory of Existing Chemical Substances in China 2010).

Korea: All of the components of this product are listed on the Korean chemical inventory.

Philippines: This product contains an ingredient that is not listed on the PICCS. Only limited volumes can be imported. Contact WD40 for more information.

Japan: All of the components of this product are listed on the Japanese chemical inventory.

Taiwan: All the components of this product are listed on the Taiwan Inventory.

16 – Other Information

HMIS Hazard Rating:

Health – 2 (moderate hazard), Fire Hazard – 4 (severe hazard), Physical Hazard – 0 (minimal hazard)

Revision Date: December 2017

Supersedes: November 2015

Prepared by: Industrial Health & Safety Consultants, Inc. Shelton, CT, USA

2021300/No.

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : WINDEX® ORIGINAL GLASS CLEANER

Recommended use : Hard Surface Cleaner

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson and Son, Limited
1 Webster Street
Brantford ON N3T 5R1

Telephone : +1-800-558-5566

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647
24 Hour Canadian Transport Emergency Phone (CANUTEC)
(613) 996-6666

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to the Canadian Hazardous Products Regulation

Labelling

Precautionary statements

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain hazardous chemicals at or above a reportable level as defined by Canadian Hazardous Products Regulation

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

Description of first aid measures

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

Most important symptoms and effects, both acute and delayed

- Eyes** : No adverse effects expected when used as directed.
- Skin effect** : No adverse effects expected when used as directed.
- Inhalation** : No adverse effects expected when used as directed.
- Ingestion** : No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

Further information : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wash thoroughly after handling.

Environmental precautions : Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up : Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep container closed when not in use.

Other data : Stable under normal conditions.

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : No special requirements.

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : blue

Odour : floral

Odour Threshold : Test not applicable for this product type

pH : 10.7
at (25 C)

Melting point/freezing point : 0 C

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

Initial boiling point and boiling range	: 100 C
Flash point	: does not flash
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: Does not sustain combustion.
Upper/lower flammability or explosive limits	: Test not applicable for this product type
Vapour pressure	: Calculated 31.7 hPa
Vapour density	: Test not applicable for this product type
Relative density	: 1.00 g/cm ³ at 25 C
Solubility(ies)	: soluble
Partition coefficient: n-octanol/water	: Test not applicable for this product type
Auto-ignition temperature	: Test not applicable for this product type
Decomposition temperature	: Heating can release hazardous gases.
Viscosity, dynamic	: similar to water
Viscosity, kinematic	: similar to water

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

Oxidizing properties	:	Test not applicable for this product type	:
Volatile Organic Compounds Total VOC (wt. %)*	:	0.2 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	:
Other information	:	None identified	:

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.	:
Chemical stability	:	Stable under recommended storage conditions.	:
Possibility of hazardous reactions	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.	:
Conditions to avoid	:	Direct sources of heat.	:
Incompatible materials	:	Do not mix with bleach or any other household cleaners. Strong bases	:
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.	:

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 > 5000 mg/kg	:
----------------------------	---	-------------------	---

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical : None known.

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

Condition

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

No environmental data required.

No environmental data required.

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

Air transport

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

- Notification status** : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- Notification status** : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
- California Prop. 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
- Canada Regulations** : This product has been classified in accordance with the hazard criteria of the Hazardous Products Act and Regulations.

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	0
Reactivity	0

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

NFPA Ratings

Health	1
Fire	0
Reactivity	0
Special	-

This information is being provided in accordance with Canada's Workplace Hazard Material Information System. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
-------------	--

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: June 6, 2007

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **WOOLITE Fabric & Upholstery Cleaner**
Product No. 0835 / 04034F / 04035F /
Chemical Formula: Mixture

MANUFACTURER: **24-Hour Emergency Phone Number:**

BISSELL INC. 1-866-303-6951
P.O. Box 1888
Grand Rapids, MI 49501
(616) 453-4451

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Percent</u>	<u>Exposure Limits TWA</u>	<u>CAS Number</u>
Isobutane	<10%	TLV 800ppm	75 - 28 - 5

Also contains surfactants, acrylate copolymer, fragrance and water.

3. HAZARDS IDENTIFICATION

Emergency Overview:

Contents under pressure.

Potential Health Effects:

Eye: Eye irritant. Avoid contact with eyes.

Skin: Prolonged contact with skin may cause mild to moderate irritation.

Inhalation: Inhalation is not expected route of exposure. Inhalation of product mist or spray may cause respiratory irritation.

Ingestion: Ingestion is not an expected route of exposure. Ingestion of small amount may cause gastrointestinal irritation, and more serious effects are possible if large quantities of product are swallowed

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: June 6, 2007

WOOLITE Fabric & Upholstery Cleaner

4. FIRST AID MEASURES

EYE:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation persists
SKIN:	Wash skin with water. Remove contaminated clothing.
INGESTION:	If swallowed, DO NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. Get Medical Attention

5. FIRE FIGHTING MEASURES

FLASH POINT:	Propellant < 0°F
FLAMMABILITY:	Not Determined
EXTINGUISHING MEDIA:	Dry Chemical, Foam or CO2
FIRE and EXPLOSION HAZARDS	Content under pressure. May Burst if exposed to temperature above 120°F (48.8°C). Propellant is extremely flammable and heavier than air. Vapors may travel along the ground and ignite at point remote from source.
FIRE FIGHTING EQUIPMENT:	Fire Fighters should wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS:	Absorb and wipe up or rinse away with water.
LARGE SPILL:	Contain spill liquid with sand or earth. Place in a disposal container for disposal. After removal, flush area thoroughly with water.
WASTE DISPOSAL:	Follow all Local, State and Federal Regulations for large spills.

7. HANDLING AND STORAGE

HANDLING:	Use only as directed, avoid contact with eyes. Use with adequate ventilation. Wash hands before eating.
STORAGE:	Contents under pressure. Do Not expose to heat or store above 120°F (48.8°C).

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: June 6, 2007

WOOLITE Fabric & Upholstery Cleaner

8. PERSONAL PROTECTION

RESPIRATORY PROTECTION:	Not Required
PROTECTIVE GLOVES:	Not Required
EYE PROTECTION:	Not Required
VENTILATION:	Normal

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White Foam
ODOR:	Fresh Clean Scent
BOILING POINT, 760mm Hg:	212°F
VAPOR PRESSURE:	36-40 psi (Propellent)
VAPOR DENSITY:	Is heavier than air
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.0
pH:	8.8 – 9.8

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	STABLE
CONDITIONS TO AVOID:	Temperature above 120°F (48.8°C). Do Not puncture or incinerate containers.
INCOMPATIBILITY:	Avoid Contact with strong oxidizing agents.
HAZARDOUS DECOMPOSITION:	None Known
HAZARDOUS POLYMERIZATION:	Will Not Occur

11. TOXICOLOGICAL INFORMATION

INGESTION:	Has not been tested.
INHALATION:	Has not been tested
SKIN:	Has not been tested

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: June 6, 2007

WOOLITE Fabric & Upholstery Cleaner

12. OTHER INFORMATION

VOLATILE ORGANIC COMPOUNDS (VOC) INFORMATION:

Percentage Emissions: 6.0%

HAZARD RATING: Fire: 0 Toxicity: 0 Reactivity: 0

HAZARD RATING SCALE:

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Transportation:

DOT Labeling: NONE
DOT Proper Shipping Name: ORM-D
DOT Hazard Class: NONE
U.S. Surface Freight Classification: Cleaning compound, level -1 aerosol.

Notice:

The information herein is presented in good faith and believed to be accurate as of the effective date shown below. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with federal, state or Provincial laws.

Effective Date: June 6, 2007
Supersedes: March 20, 2005
Prepared by: Jesse J. Williams

This MSDS has been revised in the following section(s): **GENERAL UPDATE**

JJW/sth

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: September 14, 2007

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: WOOLITE One Step Foam Carpet Cleaner
Product No.: 0821
Chemical Formula: Mixture

MANUFACTURER: 24-Hour Emergency Phone Number:

BISSELL Inc., 1-866-303-6951
P.O. Box 1888
Grand Rapids, MI 49501
(616) 453-4451

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Percent</u>	<u>Exposure Limits TWA</u>	<u>CAS Number</u>
Isobutane	< 25%	800 ppm	75-28-5
Propane	< 5%	1000 ppm	74-98-6

Also contains surfactants, acrylate copolymer, inhibitors, fragrance and water.

3. HAZARDS IDENTIFICATION

Emergency Overview:

KEEP OUT OF REACH OF CHILDREN

Contents Under Pressure.

Potential Health Effects:

EYE: Eye contact causes irritation.
SKIN: Prolonged contact with skin may cause irritation.
INHALATION: Vapor inhalation can cause respiratory tract irritation, headaches and dizziness.
INGESTION: If swallowed, aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: September 14, 2007

WOOLITE One Step Foam Carpet Cleaner

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower lids occasionally. Get medical attention.

SKIN: Thoroughly wash skin with water. Remove contaminated clothing. Wash contaminated clothing before reuse.

INGESTION: If swallowed, do NOT induce vomiting. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT: Not Determined.

FLAMMABILITY LIMITS: LEL and UEL: Not determined

EXTINGUISHING MEDIA: CO₂, dry chemical foam.

FIRE and EXPLOSION HAZARDS: Contents flammable. Aerosol cans may burst if exposed to heat in excess of 120°F.

FIRE FIGHTING EQUIPMENT: Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Fire fighters would wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Absorb and wipe up.

LARGE SPILLS: Ventilate area. Remove all sources of ignition. Contain spilled liquid with sand or earth. Place in a disposal container for disposal.

WASTE DISPOSAL: Follow all local, state and federal regulations for large spills.

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: September 14, 2007

WOOLITE One Step Foam Carpet Cleaner

7. HANDLING AND STORAGE

HANDLING: Use only as directed. Avoid contact with eyes. Use with adequate ventilation. Wash hands before eating.

STORAGE: Store OUT OF REACH OF CHILDREN. Do not store in direct sunlight, near open flames or at temperatures exceeding 120°F.

8. PERSONAL PROTECTION

RESPIRATORY PROTECTION: NIOSH/OSHA approved respirator recommended when ventilation is restricted..

PROTECTIVE GLOVES: None required under normal use.

EYE PROTECTION: Chemical goggles.

VENTILATION: Good general ventilation should be sufficient to control airborne levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Aerosol spray

ODOR: Characteristic fragrance.

BOILING POINT, 760 mm Hg: Not Determined.

VAPOR PRESSURE: ~46 psig @ 70°F.

VAPOR DENSITY: Is heavier than air.

SOLUBILITY IN WATER: Negligible.

SPECIFIC GRAVITY: ~0.93

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Open flames or temperatures above 130°F.

INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION: Burning can produce carbon monoxide, possibly some toxic materials.

HAZARDOUS POLYMERIZATION: Will not occur

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: September 14, 2007

WOOLITE One Step Foam Carpet Cleaner

11. TOXICOLOGICAL INFORMATION

INGESTION: The acute oral LD50 is greater than 5.0 g/kg in rats.
INHALATION: The acute inhalation LC50 is greater than 20 mg/L of air for a one hour
 exposure in laboratory animals.
SKIN: The primary dermal irritation score was 0.5.

12. OTHER INFORMATION

HAZARD RATING: Fire: **1** Toxicity: **1** Reactivity: **0**

HAZARD RATING SCALE:

0=Insignificant **1**=Slight **2**=Moderate **3**=High **4**=Extreme

Transportation:

DOT Labeling: None
DOT Proper Shipping Name: Consumer Commodity
DOT Hazard Class: ORM-D, Level 1 Aerosol, UN1950
U.S. Surface Freight Classification: Cleaning compound, NOI.

Notice:

The information herein is presented in good faith and believed to be accurate as of the effective date shown below. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with federal, state or provincial and local laws.

Effective Date: August 7, 2007.
Supersedes: New Issue
Prepared by: Kevin Haley

This MSDS has been revised in the following section(s): **General Update**