

Safety Data Sheets

Sheriff



RSC, Benson

11/26/2019



Safety Data Sheet Index

Binder: RSC, Benson - Sheriff

Product Name	CAS Number	Manufacturer	Version Date	Page
925 and 7625 Valium (Diazepam), Rohypnol, and Ketamine Test - 925 and 7625 Valium (Diazepam), Rohypnol, and Ketamine Test	67-63-0	ODV, Inc.	09/10/2004	4
Adhesive Side Powder, Dark - Adhesive Side Powder, Dark	1317-61-9	SIRCHIE FINGER PRINT LABORATORIES INC	05/15/2012	6
Aervoe All Purpose Marking Paint - Aerosol - Aervoe All Purpose Marking Paint - Aerosol		Aervoe Industries Inc.	11/30/2018	10
AIR WICK Air Freshener (Aerosols All Scents) - AIR WICK Air Freshener (Aerosols All Scents)		Reckitt Benckiser	09/26/2012	18
ALKALINE BATTERIES - Alkaline Batteries		Duracell U.S. Operations, Inc.	05/05/2016	26
Carquest ALL SEASON SAE 10W-30 MOTOR OIL - Carquest ALL SEASON SAE 10W-30 MOTOR OIL		Ashland	06/06/2013	32
CLOROX DISINFECTANT WIPES - CLOROX DISINFECTANT WIPES		The Clorox Company	07/01/2006	42
Dust-Off Compressed Gas Duster - Dust-Off Compressed Gas Duster		Falcon Safety Products, Inc	05/15/2018	43
Expo White Board Cleaner - Expo White Board Cleaner		Newell Rubbermaid	08/05/2015	49
Fellowes Powershred Shredder Lubricant 35250 - 35250 Fellowcs Powershred Shredder Lubricant	120962-03-0	Fellowes, Inc.	02/10/2012	57
GEM NONacid Washroom Cleaner - GEM NONacid Washroom Cleaner		WAXIE SANITARY SUPPLY	04/06/2005	60
LP Silver Grey Magnetic Fingerprint Powder - LP Silver Grey Magnetic Fingerprint Powder		Lynn Peavey Company	09/11/2012	62
Lysol Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents space - Lysol Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents space		Reckitt Benckiser	07/09/2010	67
PURELL Hand Sanitizer - PURELL Hand Sanitizer		GOJO Industries, Inc.	03/19/2015	74
Safeway Multi-Purpose Cleaner, Orange - Safeway Multi-Purpose Cleaner, Orange		Safeway		89
SANI-DEX ALC ANTIMICROBIAL ALCOHOL GEL HAND WIPES, SANI HANDS FOR KIDS - SANI-DEX ALC ANTIMICROBIAL ALCOHOL GEL HAND WIPES, SANI HANDS FOR KIDS		PDI-Professional Disposables, Inc - Healthcare Division of Nice-Pak Products, Inc.	04/25/2006	92

Product Name	CAS Number	Manufacturer	Version Date	Page
SCRUBS White Board Cleaner Wipes - SCRUBS White Board Cleaner Wipes		ITW Dymon	09/07/2012	96
SPARKLE GLASS CLEANER - "Sparkle" Glass Cleaner		A. J. Funk & Company	04/25/2014	99
Stainless Steel Cleaner (Oil-Based) - Stainless Steel Cleaner (Oil-Based)		ITW Professional Brands	01/15/2013	108
WINDEX ORIGINAL GLASS CLEANER WITH AMMONIA-D - WINDEX ORIGINAL GLASS CLEANER		S.C. Johnson and Son, Limited	05/23/2017	111

MATERIAL SAFETY DATA SHEET**PRODUCT****925 and 7625****SECTION 1 – IDENTITY**

Name	ODV, Inc.	Address	13386 International Parkway, Jacksonville FL 32218
Telephone Number	207-743-7712	For Additional Information Contact:	Date Prepared
		Larry Dow	September 10, 2004
Common name (used on Label)	925 and 7625 Valium (Diazepam), Rohypnol, and Ketamine Test		
Trade name & Synonyms	Narcotest & NarcoPouch®	Chemical Family	Does Not Apply
Chemical Name	Does Not Apply	Formula	Does Not Apply

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	% (wt)	TLV	PEL
Methanol: 1st ampoule	67-56-1	97	260 mg/m ³	250 mg/m ³
Potassium hydroxide (45%)	1310-58-3	3%	2 mg/m ³	2 mg/m ³
Isopropanol: 2nd ampoule	67-63-0	99	980 mg/m ³	980 mg/m ³
m-Dinitrobenzene: 2nd ampoule (cap)	99-65-0	1	1.0 mg/m ³	1.0 mg/m ³

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration

TLV: Threshold limit Value established by the American Conference of Governmental Industrial Hygienists, 1987-88.

SECTION 3 – PHYSICAL DATA

BOILING POINT 65° C (methanol)		SPECIFIC GRAVITY (H ₂ O = 1) 0.79 (methanol)	VAPOR PRESSURE (mm Hg) 97.2 (methanol)
PERCENT VOLATILE BY VOLUME 100%	VAPOR DENSITY (AIR = 1) 1.1 (methanol)		EVAPORATION RATE 4.6 (methanol)
SOLUBILITY IN WATER Soluble		REACTIVITY IN WATER Not reactive (methanol)	
APPEARANCE AND ODOR		Clear liquid first ampoule. Clear liquid second ampoule.	

SECTION 4 – FIRE AND EXPLOSION DATA

FLASH POINT	52 °C Closed Cup (methanol) 130 °C (m-dinitrobenzene)	FLAMMABLE LIMITS IN AIR (% By Volume)
		LOWER: 6% (methanol) UPPER: 36% (methanol)
EXTINGUISHING MEDIA	AUTO IGNITION TEMPERATURE	
Alcohol foam, powder, CO ₂ (methanol)	385 °C (methanol)	
UNUSUAL FIRE AND EXPLOSION HAZARDS	Isopropyl alcohol use dry chemical or CO ₂ .	

SPECIAL FIRE FIGHTING PROCEDURES Use proper respiratory protection against fumes such as self contained breathing apparatus.

Continued on Reverse Side

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE Inhalation, Contact with eyes or skin.

SIGNS AND SYMPTOMS OF EXPOSURE Irritation of eyes. Splashes in the eyes or on the skin will cause severe burns. Inhalation of methanol vapor may also cause headaches, CNS depressant.

(2) **CHRONIC OVEREXPOSURE** – Irritation of eyes and skin. LD₅₀ 83 mg/kg (oral rat) dinitrobenzene

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Pre-existing eye problems, pre-existing skin disorders may be aggravated by exposure.

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN NONE	NTP ☐ Yes ☒ No	IARC ☐ Yes ☒ No	OSHA ☐ Yes ☒ No
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OTHER EXPOSURE LIMITS NONE

EMERGENCY & FIRST AID PROCEDURES

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Move exposed person to fresh air if inhalation of large amounts of methanol occur. If isopropyl or methanol have been swallowed, give the person large quantities of water immediately, then cause the person to vomit using syrup of ipecac.

SECTION 6 - REACTIVITY DATA

STABILITY Unstable ☐ Stable ☒	CONDITIONS TO AVOID Strong oxidizers.
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INCOMPATIBILITY (MATERIALS TO AVOID)
Strong acids and strong oxidizers. Open flame.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION May occur ☐ Will not occur ☒	CONDITIONS TO AVOID Not applicable for polymerization.
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SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED

Eliminate all sources of ignition. Wear proper protective equipment. For small quantities, absorb on paper towels. Evaporate in a fume hood. Burn the paper or absorbed material in an incinerator.

WASTE DISPOSAL METHOD

Dispose of wastes in accordance with Federal, State, and Local codes.

SECTION 8 - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION NIOSH-approved organic vapor respirator may be used for minor spill cleanup.

VENTILATION Room ventilation is expected to be adequate except during spills or fires.

PROTECTIVE GLOVES Required when the potential of contact exists. **EYE PROTECTION** Required when the potential of contact exists.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT An eye wash fountain and safety shower should be readily available where the potential for eye contact with the reagent exists.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store and handle according to packaged instructions. Store in cool, well ventilated area. Keep away from reactive materials and away from fire hazard.

OTHER PRECAUTIONS Do not get in eyes, on skin, or on clothing. Avoid breathing vapor. Wash thoroughly after handling.

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. ODV, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

MSDS - Material Safety Data Sheet

Product Name: Adhesive Side Powder, Dark

MSDS No.: ASP50D

I. Basic Information:

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Country: USA

Contact: Tech Support

Information Telephone Number: 919-554-2244

Emergency Contact: ChemTrec

Emergency Telephone Number: 800-424-9300

Emergency Restrictions:

Product Name: Adhesive Side Powder, Dark

MSDS No.: ASP50D

Issue Date: 05/15/2012

Supersedes Date: Not Available

II. Hazards Identification:

EMERGENCY OVERVIEW

Skin and eye irritant. May cause siderosis.

OSHA Regulatory Status

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

Potential Health Effects

Route(s) of Entry:

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Chronic: Siderosis

Signs and Symptoms:

Not Available

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory diseases

Other Health Warnings:

Not Available

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Black iron oxide	1317619	100	

IV. First Aid Measures:

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air. If breathing becomes difficult, give oxygen and seek medical attention.

Ingestion: Give large quantities of water. Induce vomiting. Seek medical attention.

Skin: Wash with soap and water. If irritation occurs, seek medical attention.

Eyes: Rinse with plenty of water for 15 minutes and seek medical attention.

Note to Physicians:

Not Available

MSDS - Material Safety Data Sheet

Product Name: Adhesive Side Powder, Dark

MSDS No.: ASP50D

V. Fire Fighting Measures:

Suitable Extinguishing Media:

Not flammable. Use proper extinguishing media suitable for surrounding fire. If oxidation starts, cool with water to dissipate heat.

Unsuitable Extinguishing Media:

Wear self-contained breathing apparatus and protective clothing.

Products of Combustion:

Storage at temperatures above 140 F may cause oxidation, generating heat which could cause surrounding combustibles to burn.

Protection of Firefighters:

Wear normal turnout gear.

VI. Accidental Release Measures:

Personal Precautions:

Wear dust respirator, safety goggles, and rubber gloves.

Environmental Precautions:

Not Available

Methods for Containment:

Not Aoolicable

Methods for Cleanup:

Sweep up and place in bag or vacuum up with proper filter equipped instrument. Avoid creating dust. Ventilate and wash spill site after collecting solid.

Other Information:

Dispose according to local, state, and federal regulations pursuant to 40 CFR part 261 of RCRA.

VII. Handling and Storage:

Handling Precautions:

Keep in closed container. Avoid incompatible materials. Avoid contact with skin, eyes, and clothing. Avoid breathing dust. Use only in well-ventilated areas. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

Storage Precautions:

Store below 140 F

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Black iron oxide	15 mg/m3	10 mg/m3	140 F

Engineering Controls:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, leather or rubber gloves, dust respirator

IX. Physical and Chemical Properties:

Boiling Point: NE

Boiling Range: Not Available

Solubility In Water: Insoluble

Flash Point: 140 F

Melting Point: NE

Freezing Point: Not Available

Evaporation Rate (Butyl Acetate = 1): NE

Flash Point Method: Not Available

MSDS - Material Safety Data Sheet

Product Name: Adhesive Side Powder, Dark

MSDS No.: ASP50D

Odor Threshold: Not Available

Vapor Density (AIR = 1): NE

pH Range: Not Available

Decomposition Temp: Not Available

Lower Explosive Limit: NE

Specific Gravity (H2O = 1): Not Available

Other Information: Not Available

Appearance and Odor: Black powder; no odor

Vapor Pressure (mm Hg.): NE

Partition Coefficient: Not Available

Auto-Ignition Temp: Not Available

Upper Explosive Limit: NE

X. Stability and Reactivity:

Stability:

Stable

Conditions to Avoid:

Not Available

Incompatible Materials:

Strong oxidizing agents, temperatures above 140 F

Hazardous Decomposition Products:

Not Available

Possibility of Hazardous Reactions:

Does not occur.

XI. Toxicological Information:

Prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On x-rays, it appears to be a benign pneumoconiosis, and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as silica. The TLV is set to protect against siderosis.

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations pursuant to 40 CFR part 261 of RCRA.

XIV. Transport Information:

Shipping Name: Not Applicable

DOT Hazard Class: Not Available

UN/NA#: Not Available

DOT Subsidiary Hazard Class: Not Available

Packing Group: Not Available

Transportation Information:

Maintain temperature below 140 F! Keep in closed container. Avoid incompatible materials. Avoid contact with skin, eyes, and clothing. Avoid breathing dust. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

XV. Regulatory Information:

Not regulated

MSDS - Material Safety Data Sheet

Product Name: Adhesive Side Powder, Dark

MSDS No.: ASP50D

XVI. Other Information:

Chemical State: ☐ Liquid ☐ Gas ☒ Solid

Chemical Type: ☒ Pure ☐ Mixture

Hazard Category:

☐ Acute

☒ Chronic

☐ Pressure

☐ Fire

☐ Reactive



Additional Manufacturer Warnings:

Using this product under normal, properly instructed procedures should not be hazardous.

1	Health
2	Flammability
1	Physical Hazard
E	Pers. Protection

Additional Product Information:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.



Safety Data Sheet (SDS)

Date Prepared/Revised: 11/30/18 Version no.: 03 Supersedes: (8/13/15)

1. Identification of the Mixture and of the Company

Product identifier: **Aervoe All Purpose Marking Paint - Aerosol**

Product name:

Non-Fluorescent Colors			Fluorescent Colors		
1380 Black	1381 Red	1382 Yellow	1390 Red	1391 Green	1392 Orange
1383 Blue	1384 Green	1385 Orange	1393 Yellow	1394 Blue	1395 Red-Orange
1387 White			1399 Pink		

Relevant identified uses of the substance: This product is designed to adhere to most surfaces - paved or unpaved.

Uses advised against: . Do not apply additional product until the previous coat is dry. Do not apply if surface is wet. Do not store at temperatures below 32°F (0°C). Do not use on turf surfaces.

CAS No:	Not Applicable (mixture)
EC No:	Not Applicable (mixture)
Index No:	Not Applicable (mixture)
Manufacturer/Supplier:	Aervoe Industries Incorporated
Street address/P.O. Box:	1100 Mark Circle
Country ID/Postcode/Place:	Gardnerville, Nevada 89410
Telephone number:	1-775-782-0100
e-mail:	mailbox@aervoe.com
National contact:	Aervoe Industries Incorporated
For Product Information:	1-800-227-0196
Emergency telephone number:	1-800-424-9300 (CHEMTREC – 24 hrs)

2. Hazards identification

Classifications

Physical Hazards: Aerosol - Category 1
Flam. Gas. 1
Press. Gas
Flam. Liq. 2

Health Hazards: Car 1B
Muta 1B
Asp Tox. 1
Eye Irrit. - 2
Rep. 2
Skin. Irr. 2
STOT SE3

Environmental Hazards: Aquatic Chronic 2



Safety Data Sheet (SDS)

Date Prepared/Revised: 11/30/18 Version no.: 03 Supersedes: (8/13/15)

Labeling

Signal Word: Danger

Hazard Statements: H220 – Extremely flammable gas
H222 – Extremely flammable aerosol
H225 – Highly flammable liquid and vapour.
H229 - Pressurized container: may burst if heated
H304 – May be fatal if swallowed and enters airways.
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H336 – May cause drowsiness or dizziness.
H340 – May cause genetic defects
H350 – May cause cancer
H361 – Suspected of damaging fertility or the unborn child .
H373 – May cause damage to nervous system through prolonged or repeated exposure(Inhalation)

Precautionary Statements: P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use
P210 - Keep away from heat/sparks/open flames/hot surfaces - no smoking
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P262 - Do not get in eyes, on skin, or on clothing
P264 - Wash ... thoroughly after handling
P280 - Wear protective gloves/eye protection/face protection

P303+P361+P353 - If on skin or hair, remove/takeoff immediately all contaminated clothing. Rinse skin with water/shower.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
P501 - Dispose of contents/container in accordance with local/regional/national/international regulation

Symbols/Pictograms:



3. Composition / Information on Ingredients

Composition



Safety Data Sheet (SDS)

Date Prepared/Revised: 11/30/18 Version no.: 03 Supersedes: (8/13/15)

Chemical	Synonyms	CAS Number	EINECS Number	Weight Percent	Hazard Category	H-Code
Hydrocarbon Propellant	LPG	68476-86-8	270-705-8	10-30%	Press. Gas Flam. Gas 1 Carc. 1B Muta. 1B	H220 H350 H340
Hexane	n-Hexane	110-54-3	203-777-6	5-10%	Flam. Liq. 2 Repr. 2 Asp. Tox. 1 STOT RE 2 * Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	H225 H361f *** H304 H373 ** H315 H336 H411
Aliphatic Petroleum Distillates	Solvent Naphtha	64742-89-8	265-192-2	5-10%	Carc. 1B Muta. 1B Asp. Tox. 1	H350 H340 H304
Aliphatic Petroleum Distillates	Solvent Naphtha	64742-88-7	265-191-7	1-5%	Press. Gas Flam. Gas 1 Carc. 1B Muta. 1B	H220 H350 H340
Aliphatic Petroleum Distillates	Solvent Naphtha	8032-32-4	232-453-7	1-5%	Flam. Liq. 2 Repr. 2 Asp. Tox. 1 STOT RE 2 * Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	H225 H361f *** H304 H373 ** H315 H336 H411
Non-fluorescent colors also contain:						
Acetone	Propanone	67-64-1	200-662-2	1-5%	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225, H319, H336

Other Product Information

Chemical Identity: Mixture

4.) First Aid Measures

General Advice:

If symptoms persist, always call a doctor.

Inhalation First Aid:

Remove victim to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial respiration, preferably



Safety Data Sheet (SDS)

Date Prepared/Revised: 11/30/18 Version no.: 03 Supersedes: (8/13/15)

Skin Contact First Aid:	mouth to mouth. Get medical attention immediately. Wash with soap and water. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.
Eye Contact First Aid:	If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. Get medical attention immediately.
Ingestion First Aid:	If swallowed, wash out mouth with water provided the person is conscious. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Most Important Symptoms/Effects:	Exposure may cause slight irritation to the skin, eyes, and respiratory tract. Excessive exposure may cause central nervous system effects.

5. Fire Fighting Measures

Flammable Properties:	Aerosol
Auto Ignition Temperature:	Not Available
Suitable extinguishing media:	Carbon dioxide, dry chemical, water spray.
Unsuitable extinguishing media:	None known
Special hazards arising from the substance or mixture:	None known
Hazardous combustion products:	Carbon dioxide, Carbon monoxide
Fire & Explosion Hazards:	Closed Containers may rupture due to the buildup of pressure from extreme temperatures.
Precautions for fire-fighters:	Use water spray to cool containers exposed to heat or fire to prevent pressure build up. In the event of a fire, wear full protective clothing and NIOSH- approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

PERSONAL PRECAUTIONARY MEASURES:

- 1) Follow personal protective equipment recommendations found in section 8.
- 2) Maintain adequate ventilation.

SPILL CLEAN-UP PROCEDURES:

- 1.) Evacuate unprotected personnel from the area.
- 2.) Remove sources of ignition if safe to do so.
- 3.) Pickup spilled materials using non-sparking tools and place in an appropriate container for disposal.
- 4.) Contain spill to prevent material from entering sewage or ground water systems.
- 5.) Always dispose of waste materials in accordance with all EU, National and Local Regulations.



Safety Data Sheet (SDS)

Date Prepared/Revised: 11/30/18 Version no.: 03 Supersedes: (8/13/15)

7. Handling and Storage

Handling:

Flammable Aerosol, use in a well ventilated area.
Do not use near sources of ignition.
Do not to eat, drink and smoke while working with this material.
Wash hands after use.

Conditions for safe storage, including any incompatibilities:

Store out of direct sunlight.
Storage Temperature: 32° to 120°F (0° to 49°C).
No known incompatibilities.

8. Exposure Controls / Personal Protection

Appropriate engineering controls:

Ensure adequate ventilation. A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits.

Keep away from sources of ignition.

Take precautionary measures against static discharge.

Personal Protection:

Eye & face protection devices such as safety glasses, safety goggles or face shield are recommended.

Skin protection

Wear the appropriate protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection:

Use only in an adequately ventilated area. For unknown vapor concentrations use a positive-pressure, pressure-demand, self-contained breathing apparatus (SCBA).

Hazardous Ingredient	CAS Number	ACGIH TLV (TWA)	ACGIH TLV (STEL)	OSHA PEL (TWA)	OSHA PEL (STEL)
Aliphatic Petroleum Distillates	64742-88-7	N/AV	N/AV	N/AV	N/AV
Aliphatic Petroleum Distillates	64742-89-8	N/AV	N/AV	N/AV	N/AV
Hydrocarbon Propellant	68476-86-8	N/AV	N/AV	N/AV	N/AV
Aliphatic Petroleum Distillates	8032-32-4	200ppm	300ppm	200ppm	N/AV
Hexane	110-54-3	50ppm	N/AV	500ppm	N/AV
Acetone	67-64-1	500ppm	750ppm	1000ppm	N/AV



Safety Data Sheet (SDS)

Date Prepared/Revised: 11/30/18 Version no.: 03 Supersedes: (8/13/15)

***Values are based on the 2014 Guide to Occupational Exposure Values by ACGIH**

9. Information on Basic Physical and Chemical Properties

Appearance: Color varies by product.	Odor: Hydrocarbon Odor
Odor Threshold: N/AV	pH: Not Applicable (solvent Base)
Melting Point: N/AV	Freezing Point: N/AV
Initial Boiling Point: N/AV	Boiling Point Range: N/AV
Flash Point: <0° F (-18° C)	Evaporation Rate: Faster than n-Butyl Acetate
Flammability Solid/Gas: Flammable gas	LEL: 0.9% UEL: 13%
Vapor Pressure: N/AV	Vapor Density: Heavier Than Air
Relative Density: N/AV	Solubility: Negligible
Partition Coefficient: n-octanol/ water: N/AV	Auto-ignition Temperature: N/AV
Decomposition Temperature: N/AV	Viscosity: N/AV
Explosive Properties: N/AV	Oxidizing Properties: N/AV

10. Stability & Reactivity

Possibility of hazardous reactions: Hazardous polymerization will not occur under normal conditions

Chemical stability: Stable under normal conditions

Conditions to avoid: Heat and ignition sources

Incompatible materials: Strong Oxidizing Agents

Hazardous decomposition products: Will not occur

11. Toxicological Information

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart and blood

Routes of exposure: Eyes, skin, ingestion, and/or inhalation

Acute toxicological data:	(Acetone) Acute oral LD50: 5800mg/kg(rat) (Acetone) LC50: 21000 ppm / 8 hr (rat) (Hexane) LD50: 2870 mg/kg (Rat-Oral)
Eye irritation data:	N/AV

Skin irritation/sensitization/absorption data:	N/AV
Reproductive toxicity data:	N/AV

Mutagenicity data:	Muta 1B
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Safety Data Sheet (SDS)

Date Prepared/Revised: 11/30/18 Version no.: 03 Supersedes: (8/13/15)

Symptoms associated with physical contact: N/AV

Acute/chronic effects from short/long term exposure:

Irritating to skin. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. Not expected to be a skin sensitizer.

Known reportable carcinogens via the following agencies:

NTP: N/AV
IARC: IARC3:Classification not possible from current data
OSHA: TLV-A4

* Petroleum distillates may contain chemical carcinogens in limited quantities (< 0.01%). These quantities are determined by the supplier/fraction/purity of the distillate during the manufacturing process. Chemicals that may be present within distillates are listed on California's prop 65 list such as ETHYLBENZENE, BENZENE, and TOLUENE.

12. Ecological Information

Ecotoxicity: **No Data Available**
Persistence and degradability: **No Data Available**
Bioaccumulative potential: **No Data Available**
Mobility in soil: **No Data Available**
Results of PBT and vPvB assessment: **No Data Available**
Other adverse effects: **No Data Available**

13. Disposal Considerations

Waste Disposal: Dispose of material in accordance with EU, national and local requirements. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.
Product / Packaging disposal: Dispose of packaging in accordance with federal, state and local requirements, regulations and/or laws governing your location.

14. Transportation Information

US DOT

UN Number	Proper Shipping Name	Hazard Class	Packing Group	Marine Pollutant	Special Provisions
UN1950	Aerosols	2.1	Not Applicable	Not Applicable	Reference 49 CFR 172.101

IMDG

UN	Proper Shipping Name	Hazard	Packing	Marine	Special
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Safety Data Sheet (SDS)

Date Prepared/Revised: 11/30/18 Version no.: 03 Supersedes: (8/13/15)

Number		Class	Group	Pollutant	Provisions
UN1950	Aerosols	2.1	Not Applicable	Not Applicable	Reference IMDG code part 3

IATA:

UN Number	Proper Shipping Name	Hazard Class	Packing Group	Marine Pollutant	Special Provisions
UN1950	Aerosols, Flammable	2.1	Not Applicable	Not Applicable	Reference IATA Dangerous Goods Regulation

15. Regulatory Information

Workplace classification:

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). The Occupational Safety and Health Administration's interpretation of the product's hazard to workers.

SARA Title 3:

Section 311/312 Categorizations (40 CFR 372): This product is a hazardous chemical under 29 CFR 1910.1200, and is categorized as an immediate and delayed health, and flammability physical hazard. Superfund Amendment and Reauthorization Act (SARA) category. SARA requires reporting any spill of any hazardous substance.

TSCA status: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

WHMIS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the (M)SDS contains all of the information required by the CPR.

PROP 65 (CA): WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

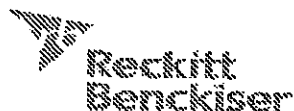
16. Other Information

This SDS has been completed in accordance with GHS Rev04 (2011): U.S OSHA, CMA, ANSI, Canadian WHMIS standards, and European Directives.

Date of Preparation/Revision: 11/30/18

Supersedes: (8/13/15)

To the best of our knowledge, the information contained herein is believed to be accurate. However, the above data does not imply any guarantee or warranty of any kind, expressed or implied. The final determination of the suitability of any material is the sole responsibility of the user. All materials made present un-known hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards existing.



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name

AIR WICK® Air Freshener (Aerosols All Scents)

CAS #

Mixture

This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).

This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.

Air freshener

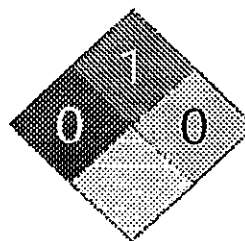
Product Use

Distributed by

Reckitt Benckiser
Morris Corporate Center IV
399 Interpace Parkway
P.O. Box 225
Parsippany, NJ 07054-0225
In Case of Emergency: 1-800-338-6167
Transportation Emergencies: 24 Hour Number:
North America: CHEMTREC: 1-800-424-9300
Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	1	0
Corrosibility	1	
Physical Hazard	0	
Personal Protection	B	



2. Hazards Identification

Emergency overview

CAUTION

EYE IRRITANT. Prolonged or frequent skin contact may cause an allergic reaction. CONTENTS UNDER PRESSURE.

DO NOT spray towards face. Avoid contact with eyes and skin. CONTAINER MAY EXPLODE IF HEATED. Do not puncture or incinerate container. DO NOT expose to heat or store at temperatures above 120°F (49°C) as the container may burst.

KEEP OUT OF REACH OF CHILDREN AND PETS.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation.

Eyes

None expected during normal conditions of use.

May cause eye irritation upon direct contact with the eyes.

Skin

None expected during normal conditions of use.

Prolonged or frequent skin contact may cause an allergic reaction.

Inhalation

None expected during normal conditions of use.

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Ingestion

Health injuries are not known or expected under normal use.

Target organs

Eyes.

Chronic effects

The finished product is not expected to have chronic health effects.

Signs and symptoms

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

OSHA Regulatory Status

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects

This product has not been tested.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Propane	74-98-6	7 - 13
Butane	106-97-8	10 - 30
Ethane, 1,1-difluoro-	75-37-6	10 - 30

4. First Aid Measures

First aid procedures

Eye contact

If in eyes, IMMEDIATELY rinse eyes with plenty of water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. If irritation persists, get medical attention.

Skin contact

If on skin, wash with soap and water. If irritation develops, get medical attention.

Inhalation

Move to fresh air in case of accidental inhalation of vapors.

Ingestion

Rinse mouth with water and drink afterwards plenty of water. DO NOT INDUCE VOMITING.

Notes to physician

Treat patient symptomatically.

General advice

Do not puncture or incinerate container. Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit www.inhalant.org.

5. Fire Fighting Measures

Flammable properties

Non-flammable aerosol by flame projection test.

NFPA AEROSOL LEVEL: Flammability Rating 1, per NFPA 30B

Extinguishing media

Suitable extinguishing media

Dry chemical. Foam.

Unsuitable extinguishing media

Water. Water spray.

Protection of firefighters

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out.

Protective equipment for firefighters

Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products

May include and are not limited to: Oxides of carbon.

Explosion data

Sensitivity to mechanical impact

Not available

Sensitivity to static discharge

Not available

6. Accidental Release Measures

Personal precautions

Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep unnecessary personnel away.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Do not contaminate water.

Do not allow material to contaminate ground water system.

Advise authorities if product has penetrated drains, sewers or water pipes.

Methods for containment

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.

7. Handling and Storage

Handling

Ensure adequate ventilation.
DO NOT spray towards face.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Do not pierce or burn after use. Keep away from all sources of ignition. Fires involving aerosols with flammable contents are severe and can spread quickly. Warehouses or stores containing aerosols should therefore be separated from other areas by a fire resistant construction. Stores should be well ventilated. The natural ventilation in a large open warehouse building will normally be suitable.
Do not spray on a naked flame or any other incandescent material.
Use good industrial hygiene practices in handling this material.
When using do not eat or drink.
Wash hands before breaks and immediately after handling the product.

Storage

DO NOT expose to heat or store at temperatures above 120°F (49°C) as the container may burst.
Do not puncture or incinerate container.
CONTAINER MAY EXPLODE IF HEATED.
Keep away from heat, open flames or other sources of ignition.
Store in a cool place.
Keep out of reach of children.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit www.inhalant.org.

8. Exposure Controls / Personal Protection

Exposure limits**Ingredient(s)****Exposure Limits****Butane**

ACGIH-TLV
TWA: 1000 ppm
OSHA-PEL
Not established

Ethane, 1,1-difluoro-

ACGIH-TLV
Not established
OSHA-PEL
Not established

Propane

ACGIH-TLV
TWA: 1000 ppm
OSHA-PEL
TWA: 1000 ppm

Engineering controls

Provide adequate ventilation.

Personal protective equipment

Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.

Eye / face protection

Not required under normal use conditions. Emergency responders should wear full eye and face protection.

Hand protection

No special requirements under normal use conditions. Emergency responders should wear impermeable gloves.

Skin and body protection

No special requirements under normal use conditions. Prolonged or frequent skin contact may produce an allergic reaction in some individuals.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean up operations.

General hygiene considerations

Avoid contact with skin, eyes and clothing. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

9. Physical and Chemical Properties

Appearance	Aerosol.
Color	Clear
Form	Misty spray
Odor	Characteristic
Odor threshold	Not available
Physical state	Gas
pH	Not available
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available
Octanol/water coefficient	Not available

10. Stability and Reactivity

Reactivity	This product may react with oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Keep away from open flames, hot surfaces and sources of ignition. Protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Extremes of temperatures can occur in cars and near ovens and fireplaces. Do not place in contact with hot surfaces or near naked flames. Do not pierce or burn after use. Do not spray on a naked flame, onto or near a fire, or any incandescent material such as an electric fire. Aerosol containers are unstable at temperatures above 49°C (120.2°F).
Incompatible materials	Caustics. Oxidizers. Acids.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Butane	Not available
Ethane, 1,1-difluoro-	> 64000 ppm rat
Propane	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Butane	Not available
Ethane, 1,1-difluoro-	1500 mg/kg rat
Propane	Not available
Effects of acute exposure	
Eye	None expected during normal conditions of use. May cause eye irritation upon direct contact with the eyes.
Skin	None expected during normal conditions of use. Prolonged or frequent skin contact may cause an allergic reaction.
Inhalation	None expected during normal conditions of use. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
Ingestion	Health injuries are not known or expected under normal use.
Sensitization	The finished product is not expected to have chronic health effects.
Chronic effects	The finished product is not expected to have chronic health effects.
Carcinogenicity	The finished product is not expected to have chronic health effects.
Mutagenicity	The finished product is not expected to have chronic health effects.
Reproductive effects	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.
Name of Toxicologically Synergistic Products	Not available

12. Ecological Information

Ecotoxicity	This product has not been tested.
Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Mobility in environmental media	Not available
Environmental effects	Not available
Aquatic toxicity	Not available
Partition coefficient	Not available
Chemical fate information	Not available

13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations. Container disposal: Empty containers may be included with domestic refuse for disposal to a landfill. This container may also be recycled in communities where aerosol container recycling is available. Before offering for recycling, empty the can or use the product according to the label instructions.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)

UN 1950, Aerosols, Class 2.1, Limited Quantity

Transportation of Dangerous Goods (TDG - Canada)

UN 1950, Aerosols, Class 2.1, Limited Quantity

IMDG (Marine Transport)

UN 1950, Aerosols, Class 2.1, Limited Quantity

IATA/ICAO (Air)

UN 1950, Aerosols, Flammable, Class 2.1

15. Regulatory Information

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - Yes
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Clean Air Act (CAA) Not available

Clean Water Act (CWA) Not available

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Butane 106-97-8 Present

U.S. - Massachusetts - Right To Know List

Butane 106-97-8 Present

Ethane, 1,1-difluoro- 75-37-6 Present

Propane 74-98-6 Present

U.S. - Minnesota - Hazardous Substance List

Butane 106-97-8 Present

Propane 74-98-6 Simple asphyxiant

U.S. - New Jersey - Right to Know Hazardous Substance List

Butane 106-97-8 sn 0273

Ethane, 1,1-difluoro- 75-37-6 sn 0715

Propane 74-98-6 sn 1594

U.S. - Pennsylvania - RTK (Right to Know) List

Butane 106-97-8 Present

Propane 74-98-6 Present

U.S. - Rhode Island - Hazardous Substance List

Butane 106-97-8 Toxic; Flammable

Propane 74-98-6 Toxic; Flammable

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer

This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Further information

AIR WICK® 4-In-1 Air Freshener - Apple Cinnamon Medley, 8 oz - 0.188360v2.0
AIR WICK® 4-In-1 Air Freshener - Cool Linen & White Lilac, 8 oz - 0192143v2.0
AIR WICK® 4-In-1 Air Freshener - Fresh Waters, 8 oz - 0192143v2.0
AIR WICK® 4-In-1 Air Freshener - Lavender & Chamomile, 8 oz - 0121604v2.0
AIR WICK® 4-In-1 Air Freshener - Magnolia & Cherry Blossom, 8 oz - 0188398v2.0
AIR WICK® 4-In-1 Air Freshener - Papaya & Mango, 8 oz - 0188364v2.0
AIR WICK® 4-In-1 Air Freshener - Rain Garden, 8 oz - 0188387v2.0
AIR WICK® 4-In-1 Air Freshener - Sparkling Citrus, 8 oz - 0188375v2.0
AIR WICK® 4-In-1 Air Freshener - Vanilla Indulgence, 8 oz - 0188341v2.0
AIR WICK® Air Freshener - Serene Waters (National Parks - Glacier Bay), 8 oz - 0192143v2.0
AIR WICK® Air Freshener - Tropical Sunset (National Parks - Hawaii), 8 oz - 0.188364v2.0
AIR WICK® Air Freshener - Vanilla Sugar Cookies (Festive Moments), 8 oz - 0299270v2.0
AIR WICK® Air Freshener - Warm Apple Pie (Festive Moments), 8 oz - 0340663v1.0

Issue date

26-Sep-2012

Effective date

15-Sep-2012

Prepared by

Reckitt Benckiser Regulatory Department 800-333-3899

Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.



Product Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: Alkaline Batteries (Not Labeled)

Duracell Designations:

Duracell Designation	Size	Nominal Voltage	IEC Designation
MN/MX2400	AAA	1.5V	LR03
MN/MX1500	AA	1.5V	LR6

Product Use: Energy Source

SDS Date of Preparation: May 5, 2016

Company Identification:

Duracell U.S. Operations, Inc.
Berkshire Corporate Park
Bethel, CT 06801 USA
Telephone: 203-796-4000
Email: duracellsds@duracell.com

Duracell U.S. Operations, Inc. - LaGrange Plant	Duracell U.S. Operations, Inc. - Cleveland Plant	Duracell U.S. Operations, Inc. - Lancaster Plant	Duracell Batteries BVBA - Aarschot Belgium Plant
1567 Lukken Industrial Drive West LaGrange, GA 30240 +1-706- 884-6171	501 Mouse Creek Road Cleveland, TN 37312 +1- 423- 478-6000	1551 Highway 9 Bypass Lancaster, SC 29720 +1-803-285-8401	Nijverheidslaan 1-7 B - 3200 Aarschot Belgium 0032(0)16 55 20 11

Emergency Phone Number: 1(800) 424-9300 for US and Canada (CHEMTREC)
+1 (703) 527-3887 for International Calls (call CHEMTREC collect)

SECTION 2: HAZARDS IDENTIFICATION

These products are classified as Articles under REACH and are not subject to the requirements for Information in the Supply Chain (Safety Data Sheets and Labels). While batteries may release hazardous substances if damaged, this is not an intended release as defined under REACH. Batteries are not classified as hazardous under the CLP.

These products are also classified as Articles under the US OSHA Hazard Communication Standard 29CFR 1910.1200, Canada WHMIS and the GHS. A Safety Data Sheet is not required for these products.

The following information is provided to assist in the safe use of our products.

CAUTION: Batteries may explode or leak, and cause chemical/thermal burn injury, if recharged, disposed of in fire, mixed with a different battery type, inserted backwards or disassembled. Do not carry batteries loose in your pocket or purse. Keep small batteries (i.e., AAA) away from children. If swallowed, consult a physician at once.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

These batteries consist of the chemicals listed below in a sealed can. No exposure occurs under normal conditions of use.

Chemical Name	CAS Number	EINECS Number	Amount
Manganese Dioxide	1313-13-9	215-202-6	30-45 %
Zinc	7440-66-6	231-175-3	10-25 %
Potassium Hydroxide (35%)	1310-58-3	215-181-3	5-15 %
Graphite (natural or synthetic)	7782-42-5	231-955-3	1-5%

SECTION 4: FIRST AID MEASURES

General Advice: The chemicals and metals in this product are contained in a sealed can. Exposure to the contents will not occur unless the battery leaks, is exposed to high temperatures or is mechanically, physically, or electrically abused.

Eye Contact: If battery is leaking and material contacts the eye, flush thoroughly with copious amounts of running water for 30 minutes. Seek immediate medical attention.

Skin Contact: If battery is leaking and material contacts the skin, remove any contaminated clothing and flush exposed skin with copious amounts of running water for at least 15 minutes. If irritation, injury or pain persists, seek medical advice.

Inhaled: If battery is leaking, contents may be irritating to respiratory passages. Move to fresh air. If irritation persists, seek medical advice.

Swallowed: Do not induce vomiting. Seek medical attention immediately. **CALL NATIONAL BATTERY INGESTION HOTLINE** (located in the United States of America) **at +(202)-625-3333 collect, day or night.**

Note to Physician: Damaged battery will release concentrated potassium hydroxide, which is caustic.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Batteries may burst and release hazardous decomposition products when exposed to a fire situation.

Extinguishing Media: Use any extinguishing media that is appropriate for the surrounding fire.

Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Batteries may burst and release hazardous decomposition products when exposed to a fire situation.

Hazardous Combustion Products: Thermal degradation may produce hazardous fumes of zinc and manganese; hydrogen gas, caustic vapors of potassium hydroxide and other toxic by-products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL NOTE: In the event of transport incidents involving damage to the battery packaging, please see Emergency Information in Appendix A.

Notify safety personnel of large spills. Caustic potassium hydroxide may be released from leaking or ruptured batteries. Ventilate area. Carefully collect batteries and place in an appropriate container for disposal. Avoid eye and skin contact and inhalation of vapors and fumes. Clean-up personnel should wear appropriate protective clothing, such as:

- Chemical resistant gloves

- Protective clothing against splashing of corrosive products
- Safety Boots
- Goggle
- Face shield if there is a risk of splashing

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Batteries may explode, pyrolize or vent if disassembled, crushed, recharged or exposed to high temperatures. Install batteries in accordance with equipment instructions. Do not mix battery systems, such as alkaline and zinc carbon, in the same equipment. Replace all batteries in equipment at the same time. Do not carry batteries loose in a pocket or bag.

Precautions To Be Taken in Storage: Store batteries in a dry place at normal room temperature. Do not refrigerate. Batteries must remain oriented as packaged and shipped. Batteries may short circuit if positive end is allowed to contact one another or any metal objects.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: No exposure to the battery components should occur during normal use.

Ventilation: No special ventilation is needed for normal use.

Respiratory Protection: None required for normal use.

Skin Protection: None required for normal use. Use neoprene, rubber or latex gloves when handling leaking batteries.

Eye Protection: None required for normal use. Wear safety goggles when handling leaking batteries.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): AA and AAA size batteries which have a cylindrical (round) shape.

SECTION 10: STABILITY AND REACTIVITY

Stable under normal conditions of use. Contents are incompatible with strong oxidizing agents. Do not heat, crush, disassemble, short circuit or recharge .

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

The chemicals and metals in this product are contained in a sealed can. Exposure to the contents will not occur unless the battery leaks, is exposed to high temperatures or is mechanically, physically, or electrically abused.

SECTION 12: ECOLOGICAL INFORMATION

No ecotoxicity data is available. This product is not expected to present an environmental hazard. Does not contain any added mercury, cadmium or lead.

SECTION 13: DISPOSAL INFORMATION

Do not incinerate. Disposal should be in accordance with the EU Battery Directive 206/66/EC or local regulations.

SECTION 14: TRANSPORT INFORMATION

Alkaline battery products, covered by this SDS, in their original form, are considered “dry cell” batteries and are not regulated for transportation as “DANGEROUS GOODS.” However, special regulatory concerns apply that require batteries to be packaged in a manner that prevents the generation of a dangerous quantity of heat and short circuits.

Ground Transport (ADR/RID): NONE

Air Transport (IATA): NONE

Marine/Water Transport (IMDG/ICAO): NONE

SECTION 15: REGULATORY INFORMATION

EU Classification of Preparation: Not classified as a dangerous preparation

EU Battery Directive: Duracell alkaline batteries comply with the substance restriction limits and labeling requirements set forth in the **EU Battery Directive 2006/66/EC** and as a result contain <0.0005% (5 ppm) mercury, <0.002% (20 ppm) cadmium and <0.004% (40 ppm) lead. The chemical symbols Hg, Cd and Pb are therefore **not** required below the separate collection symbol.

EU RoHS Directive: Batteries are not subject regulation.

EU REACH: Subject battery products are “articles” under REACH and not subject to REACH registration or e-SDS requirements. To the best of our knowledge, Duracell alkaline batteries do not contain any of the 73 SVHC per the ECHA updated listed 12/19/2011.

EU Labeling: None required. Labeling is not required because batteries are classified as articles under both REACH and the Dangerous Preparations Directive and as such are exempt from the requirement for labeling.

US OSHA Status: While the finished product(s) is considered an article and not covered by the OSHA Hazard Communication Standard, 29 CFR 1910.1200, this PSDS contains valuable information critical to the safe handling and proper use of the product".

EPA TSCA Status: All intentionally-added components of this product are listed on the US TSCA Inventory.

SARA 313/302/304/311/312 chemicals: Articles are not subject to reporting

California: This product has been evaluated and does not require warning labeling under California Proposition 65.

Canada: All intentionally-added components of this product are listed on the Canadian DSL. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this PSDS contains all information required by the Controlled Products Regulations.

SECTION 16: OTHER INFORMATION

Hazard Rating: Health: 0 Fire: 0 Reactivity: 0

=====
Data supplied is for use only in connection with occupational safety and health.

DISCLAIMER: This Product Safety Data Sheet is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble Duracell to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Duracell assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

Appendix A

Emergency Information for Transport Incidents

Intervention procedure:

- a. Use caution when opening the truck in case of an accident, the load may have shifted. The required personal protective equipment should be worn.
- b. The batteries can short circuit and heat to a temperature of over 100°C.
- c. Caution, shorted cells can release amounts of hydrogen and carbon monoxide.
- d. Before entering the container, vent sufficiently with fresh air or take air measurements and prevent ignition sources.
- e. Before handling batteries, the proper personal protective equipment should be worn. This is to prevent direct contact with the batteries and (its) contents.
 - i. Chemical protective gloves
 - ii. Protective clothing against splashing of corrosive products.
 - iii. Safety boots
 - iv. Goggles
 - v. Face mask (shield) if there is a risk of splashing.

ASHLAND®

SAFETY DATA SHEET

Page: 1

Revision Date: 06/06/2013

Print Date: 6/18/2013

MSDS Number: R0170829

Version: 2.2

Carquest® ALL SEASON SAE 10W-30 MOTOR OIL
CQ630

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

Ashland	Regulatory Information Number	1-800-325-3751
P.O. Box 2219	Telephone	614-790-3333
Columbus, OH 43216	Emergency telephone number	1-800-ASHLAND (1-800-274-5263)
Product name	Carquest® ALL SEASON SAE 10W-30 MOTOR OIL	
Product code	CQ630	

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid

CAUTION! PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.

Potential Health Effects

Exposure routes

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

Eye contact

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin contact

May cause slight skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Skin, lung (for example, asthma-like conditions)

Symptoms

ASHLAND®

SAFETY DATA SHEET

Page: 2

Revision Date: 06/06/2013

Print Date: 6/18/2013

MSDS Number: R0170829

Version: 2.2

Carquest® ALL SEASON SAE 10W-30 MOTOR OIL
CQ630

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: acne, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways)

Target Organs

No data

Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA). Used motor oil has been shown to cause skin cancer in laboratory animals continually exposed by repeated applications. Avoid prolonged or repeated skin contact.

Reproductive hazard

There are no data available for assessing risk to the fetus from maternal exposure to this material.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No. / Trade Secret No.	Concentration
HEAVY PARAFFINIC DISTILLATE	64742-54-7	>=90-<=100%

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

Carquest® ALL SEASON SAE 10W-30 MOTOR OIL
CQ630

Hazards: Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

Treatment: No information available.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Dry chemical, Carbon dioxide (CO₂), Water spray

Hazardous combustion products

carbon dioxide and carbon monoxide, Hydrocarbons, nitrogen oxides (NO_x), Sulphur oxides

Precautions for fire-fighting

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Other information

Comply with all applicable federal, state, and local regulations.

7. HANDLING AND STORAGE

Carquest® ALL SEASON SAE 10W-30 MOTOR OIL
CQ630

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage

Store in a cool, dry, ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Contains no substances with occupational exposure limit values.

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Wear resistant gloves (consult your safety equipment supplier).

Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Flash point	> 390 °F / > 199 °C Cleveland open cup
Vapour pressure	0.013 hPa @ 70.00 °F / 21.11 °C Calculated Vapor Pressure
Density	0.8686 g/cm3 @ 60.01 °F / 15.56 °C

ASHLAND®

SAFETY DATA SHEET

Page: 5

Revision Date: 06/06/2013

Print Date: 6/18/2013

MSDS Number: R0170829

Version: 2.2

Carquest® ALL SEASON SAE 10W-30 MOTOR OIL
CQ630

	7.24 lb/gal @ 60.00 °F / 15.56 °C
Viscosity, kinematic	10.5 mm2/s

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

None known. excessive heat

Incompatible products

Acids, Strong oxidizing agents

Hazardous decomposition products

carbon dioxide and carbon monoxide, Hydrocarbons

Hazardous reactions

Product will not undergo hazardous polymerization.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation
Skin absorption
Skin contact
Eye Contact
Ingestion

Product

Acute oral toxicity : no data available

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Skin corrosion/irritation : no data available

Serious eye damage/eye irritation : no data available

Respiratory or skin sensitisation : no data available

ASHLAND®

SAFETY DATA SHEET

Page: 6

Carquest® ALL SEASON SAE 10W-30 MOTOR OIL
CQ630

Revision Date: 06/06/2013

Print Date: 6/18/2013

MSDS Number: R0170829

Version: 2.2

Components:

HEAVY PARAFFINIC DISTILLATE:

Acute oral toxicity : LD 50 Rat: > 15 g/kg

Acute dermal toxicity : LD 50 Rabbit: > 5 g/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

no data available

Components:

HEAVY PARAFFINIC DISTILLATE:

Toxicity to fish : LL50 (Fish): > 100 mg/l

Toxicity to daphnia and other aquatic invertebrates : EL50 (Aquatic invertebrates): > 10,000 mg/l

Toxicity to algae : EL50 (Algae, algal mat (Algae)): > 100 mg/l

Toxicity to fish (Chronic toxicity) : NOEC: 10 mg/l
Species: Fish

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 10 mg/l
Species: Aquatic invertebrates

Persistence and degradability

Product:

no data available

Components:

no data available

Bioaccumulative potential

Product:

no data available

Components:



SAFETY DATA SHEET

Page: 7

Carquest® ALL SEASON SAE 10W-30 MOTOR OIL
CQ630

Revision Date: 06/06/2013

Print Date: 6/18/2013

MSDS Number: R0170829

Version: 2.2

HEAVY PARAFFINIC DISTILLATE:

Partition coefficient: n- : log Pow: Expected > 7
octanol/water

Mobility in soil

Product:

no data available

Components:

no data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

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

14. TRANSPORT INFORMATION

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
-----------	----------------------	---------------	--------------------	---------------	------------------------------

U.S. DOT - ROAD

Not dangerous goods

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods

TRANSPORT CANADA - RAIL

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

ASHLAND®

SAFETY DATA SHEET

Page: 8

Carquest® ALL SEASON SAE 10W-30 MOTOR OIL
CQ630

Revision Date: 06/06/2013

Print Date: 6/18/2013

MSDS Number: R0170829

Version: 2.2

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

SARA Hazard Classification

SARA 311/312 Classification

No SARA Hazards

SARA 313 Component(s)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

New Jersey RTK Label Information

HEAVY PARAFFINIC DISTILLATE	64742-54-7
POLYOLEFIN AMIDE ALKENEAMINE	
LUBRICANT ADDITIVE	

Pennsylvania RTK Label Information

HEAVY PARAFFINIC DISTILLATE	64742-54-7
-----------------------------	------------

Notification status

US. Toxic Substances Control Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)
Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
Japan. Kashin-Hou Law List	e (special case)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
China. Inventory of Existing Chemical Substances	q (quantity restricted)

ASHLAND®

SAFETY DATA SHEET

Page: 9

Revision Date: 06/06/2013

Print Date: 6/18/2013

MSDS Number: R0170829

Version: 2.2

Carquest® ALL SEASON SAE 10W-30 MOTOR OIL
CQ630

	HMIS	NFPA
Health	1	1
Flammability	1	1
Physical hazards	0	
Instability		0
Specific Hazard	--	--

16. OTHER INFORMATION

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. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act

ASHLAND®

SAFETY DATA SHEET

Page: 10

Revision Date: 06/06/2013

Print Date: 6/18/2013

MSDS Number: R0170829

Version: 2.2

Carquest® ALL SEASON SAE 10W-30 MOTOR OIL
CQ630

DOT : Department of Transportation

FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC : Hazardous Materials Information Review Commission

HMIS : Hazardous Materials Identification System

NFPA : National Fire Protection Association

NIOSH : National Institute for Occupational Safety and Health

OSHA : Occupational Safety and Health Administration

PMRA : Health Canada Pest Management Regulatory Agency

RTK : Right to Know

WHMIS : Workplace Hazardous Materials Information System



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												
Eye Contact: Can cause moderate eye irritation. Ingestion: Liquid should be practically non-toxic if ingested. Skin Contact: Prolonged skin contact may produce minor irritation. 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. Under normal consumer use conditions the likelihood of any adverse health effects are low.		<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> ¹1998 ACGIH, TLV-TWA/STEL TLV-TWA- Threshold Limit Value-Time Weighted Average. STEL- Short Term Exposure Limit ²PEL- OSHA Permissible Exposure Limit None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen lists.	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												
No special protection or precautions have been identified for using this product under directed consumer use conditions. 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. Hygienic Practices- Wear safety glasses. Use rubber or nitrile gloves if in contact liquid, especially for prolonged periods. Engineering Controls: Use general ventilation to minimize exposure to vapor or mist. Work Practices: Avoid eye and skin contact and inhalation of vapor or mist. Avoid contact with food. Not for personal cleansing. KEEP OUT OF THE REACH OF CHILDREN		U.S. DOT, IATA, IMG Hazard Class: Not restricted. U.S. DOT Proper Shipping Name: None 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. TSCA/DSL: All chemicals in this product are listed on the TSCA Inventory. The DSL status for some components has not been determined.												
VI Spill Procedures/Waste Disposal		VII Reactivity Data												
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. Waste Disposal: Disposal must be made in accordance with applicable federal, state and local regulations.		Stability: Mixing with sodium hypochlorite may release small amounts of formaldehyde gas. Storage/Disposal: Do not use or store near heat or open flame.												
VIII Fire and Explosion Data		IX Physical Data												
Flashpoint: >119°F Method: Closed cup. Unusual Fire and Explosion Hazards: None		Flashpoint..... >119°F Specific Gravity..... 0.99 g/cc. pH..... 5.0-6.0 Solubility in Water..... Liquid is completely dispersible												

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DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH

DATE PREPARED 7/06



Dust-Off Compressed Gas 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: 10/15/2015

Revision date: 5/15/2018

Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Substance name : Dust-Off Compressed Gas Duster
Product code : 3.5 oz., 7 oz., 10 oz., Professional 12 oz., Jumbo 17 oz., Classic and Plus

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) :



GHS02



GHS04

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.

Dust Off Compressed Gas 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.

Dust Off Compressed Gas 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.

Dust Off Compressed Gas 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

Dust Off Compressed Gas 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

Dust Off Compressed Gas Duster	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Dust Off Compressed Gas 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.

Dust Off Compressed Gas 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

Dust Off Compressed Gas Duster

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

Dust Off Compressed Gas Duster

Safety Data Sheet

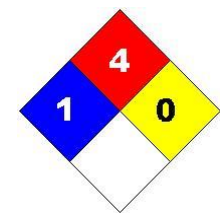
according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Dust Off Compressed Gas Duster	
	birth defects or other reproductive harm.

SECTION 16: Other information

Date of issue	: 10/15/2015
Revision date	: 5/15/2018
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.



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.

February 10, 2012

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



Identity # 870130; 870131; 870132; 870134; 870135 Name GEM NONACID WASHROOM CLEANER

Section 1

Manufactured For - Waxie Sanitary Supply

Address - 9353 Waxie Way Emergency Phone (Chem-Tel) 1-(800) 255-3924

City - San Diego State - CA 92123-1036 Phone - (800) 995-4466

Date Prepared- 4/6/2005

Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	Weight% (Optional)
None	NONE	NONE	NONE	

Note:

VOC Content- None g/L

Section 3 - Physical/Chemical Characteristics

Boiling Point- >212 F

Vapor Pressure - Not Tested

Vapor Density - Not Tested

pH- 9.0-10.5

Solubility In Water- 100%

Specific Gravity- 1.051

Appearance and Odor- GREEN/MINT ODOR

Melting Point - Not Tested

Evaporation Rate - Not Tested

Section 4 - Fire and Explosion Hazard Data

Flash Point- None

Flammable Limits - Not Tested

LEL- None

UEL- None

DOT# NONE

NFPA Hazard Rating -	H	F	R	S	HMIS Hazard Rating -	H	F	R
(0- Least, 4- Extreme)	0	0	0	0		0	0	0

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

Section 6 - Health Hazard Data

Routes of Entry

Inhalation? - Possible

Skin? - Possible

Ingestion? - Possible

Health Hazards - Same as Signs and Symptoms of Exposures

Note - All Chemicals in this Product are Found on the TSCA Inventory List.

OSHA Carcinogenicity? - None; NTP? - None; IARC Monographs? - None.

870130; 870131; 870132; 870134; 870135

Signs and symptoms of over exposure:

Eyes - Burning Sensation

Skin- Not Expected to be a Problem

Ingestion-Nausea

Inhalation- Not Expected To Be A Problem

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 Off With Soap & Water, If Irritation Persists, Call Physician

Ingestion- Drink Large Amounts of Water, Call Physician

Inhalation- See Above

Section 7 - Precautions For Safe Handling and Use.

Steps 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 freeze, less than 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- None

Eye Protection- Glasses, Goggles

Other Protective Clothing or Equipment- None

Hygienic 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. Directions for use are normally found on label which will dictate engineering and control measures.

Other Special Requirements

Note: Waxie believes the data set forth are accurate, Waxie makes no warranty with respects thereto and disclaims 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 customers discretion



Lynn Peavey Company
10749 W. 84th Terrace
Lenexa, KS 66214

1. Product and Supplier Information

Product Name: LP Silver Grey Magnetic Fingerprint Powder
 Product Number: 01971, 06559, 06560, 06563, 55593
 Product Synonyms: None
 Chemical Family or Formula: Mixture
 Supplier: Lynn Peavey Company
 10749 W. 84th Terrace
 Lenexa, KS 66214
 Product Information: 913-888-0600
 Transportation Emergency: 800-424-9300 (U.S. and North America)
 (703) 527-3887 (Outside U.S. Collect Calls Accepted)

MSDS Number: 01971
 Publication Date: September 11, 2012
 Replaces: July 21, 2011
 Phone: 913-888-0600
 Fax: 913-495-6757
 Email: lpv@peaveycorp.com
 MSDS prepared by: Richard Miller 800-342-3577

Note: The purpose of this MSDS is to provide safe handling, shipping and disposal information for manufacturers and users of the products. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components. Users who require this information are referred to primary suppliers of the ingredients of interest.

2. Composition and Information on Ingredients

CAS #	SARA	Material or Component	Approx. %	RQ#	Exposure Limits	
	313				TWA*	STEL* Note
7439-89-6	No	Iron powder	85-95	None	ACGIH10 mg/m3 as nuisance dust	
1317-61-9	No	Iron oxide	<15	None	5 mg/m3, R	NE A4
14808-60-7	No	Silica (Crystalline quartz (respirable))	<2.5	None	0.05 mg/m3	NE

No component is listed in "Threshold and Biological Exposure Indices for 2011" from ACGIH except as noted above. Components listed in Title III Sec. 313 (EPCRA) are indicated by "Yes" above. NE = Not Established. R = Respirable fraction
 *TWA= Time Weighted Average; STEL= Short Term Exposure Limit; A4 =Not Classifiable as a Human Carcinogen.

3. Hazards Identification

OSHA Hazard Classification:

Routes of Entry: Ingestion, inhalation or eye
Chemical Interactions: Avoid contact with all acids and alkalis.
Medical Conditions Aggravated: None Found
Odor Threshold: No data.
Irritation Threshold: Not established

Hazard Category Classifications and Ratings

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Immediate	Yes	No	No	No	
Delayed	No	No	No	No	
HMIS Hazard Ratings: Health 2 Fire 2 Instability 0 Other B (Glasses, gloves)					
NFPA 704 Hazard Ratings: Health 3 Flammability 1 reactivity 1					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					
Note: HMIS and NFPA ratings are subjective evaluations of hazards and can differ between preparers.					
They are intended and useful only as a rapid approximation of the hazards rated.					

Immediate (Acute) Health Effects

May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

Ingestion:

Extremely large oral dosages may produce gastrointestinal disturbances. An overdose of iron may cause vomiting, abdominal pain, bloody diarrhea, vomiting blood, lethargy, and shock. In severe cases, toxicity may progress and develop into an increase in acidity in the blood, bluish skin discoloration, fever, liver damage, and possibly death.

Skin Contact:

No adverse effects expected.

Eye Contact:

May cause irritation, redness and pain. Eye contact may cause conjunctivitis and deposition of iron particles can leave a "rust ring" or brownish stain on the cornea.

Chronic Exposure:

Long-term inhalation exposure to iron has resulted in mottling of the lungs, a condition referred to as siderosis. This is considered a benign pneumoconiosis and does not ordinarily cause significant physiological impairment. Ingestion of greater than 50 to 100 mg of iron per day may result in pathological iron deposition in body tissues. Repeated iron ingestion can produce cardiac toxicity.

Aggravation of Pre-existing Conditions:

Persons with impaired respiratory function may be more susceptible to the effects of the substance.

Prolonged (Chronic) Health Effects

Carcinogenicity: No component of these products are not known or reported to be carcinogenic by any reference source including IARC ,OSHA, NTP, or ACGIH.

Reproductive and Developmental Toxicity: No known problems

Sensitization: Not a sensitizer.

Inhalation: Prolonged or repeated inhalation exposure may cause more serious irritation, but is an unlikely scenario.

Skin Contact: No known problems. In case of irritation or sensitization, discontinue use immediately.

Skin Absorption: No known problems

Ingestion: Chronic ingestion unlikely.

General : Not considered a toxic hazard.

Chronic Target Organ Toxicity: No data

Supplemental Health Hazard Information: No additional health information available.

4. First Aid

Inhalation: Remove individual to fresh air. If not breathing, give artificial respiration or oxygen as appropriate. Seek medical attention if breathing becomes difficult.

Skin Contact: Flush skin with water for 15 minutes and remove contaminated clothing. Wash clothing before reuse.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart.

Ingestion: No need for first aid is anticipated if a small amount of material is swallowed.

For large amounts, give 3-4 cups of water or milk. Never give anything by mouth to an unconscious person. In severe cases, do not induce vomiting. Call a physician.

5. Fire Fighting Measures**Flammability Summary:****Fire:**

Moderate fire hazard in form of dust when exposed to heat or flame.

Can react with water to liberate flammable hydrogen gas. Minimum ignition temperature, iron dust cloud: 430C (805F). Ultrafine iron powder (ca. 5 microns) is pyrophoric and can ignite spontaneously in air.

Explosion:

Moderate explosion hazard in the form of a dust when exposed to heat or flame.

Fire Extinguishing Media:

Use powdered graphite, powdered salt, or powdered limestone. DO NOT use water, carbon dioxide, or dry chemical.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode

6. Accidental Release Measures

Personal Protection for Emergency Situations:

No emergency is reasonably anticipated from these products or components.

Spill Mitigation Procedures

Air Release:

No emergency is reasonably anticipated from these products or components. Do not breathe dust.

Water Release:

These materials are not soluble in water. Contain all liquid for treatment and/or disposal as a (potential) hazardous waste. Notify all downstream users of possible contamination.

Land Release:

No emergency is reasonably anticipated from these products or components.

Additional Spill Information:

Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel.

7. Handling and Storage

Handling:

Do not take internally. Avoid extensive or unintentional contact with skin, eyes and clothing. Upon contact with eyes, flush with water. Avoid creating or breathing dust. Empty containers may be discarded without hazard.

Storage

Keep container closed. Store in a cool area for longer useful product life.

Shelf Life Limitations:

See label or certificate of analysis for shelf life if applicable.

Incompatible Materials for Storage:

Compatible with common metals.

8. Exposure Controls and Personal Protection

Ventilation:

General exhaust ventilation is usually enough to ensure general worker safety and comfort.

Protective Equipment for Routine Use of Product Where Appropriate:

Respiratory Protection:

See previous paragraph. Material should be handled or transferred in a manner creating minimal dust.

Respirator Type(s): Not normally required.

If the exposure limit is exceeded and engineering controls are not feasible, a full face piece particulate respirator (NIOSH type N100 filters) may be worn for up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin: Wear tough, impervious butyl gloves to avoid skin contact. Discard gloves with tears, pinholes or wear.

Eyes: Use chemical safety glasses with side shields, or safety goggles.

Protective Clothing Type: Impervious butyl rubber apron, boots or suit, as appropriate.

Exposure Limit Data : See Section 2.

9. Physical Data

Physical State:	Powder
Color:	Grey
Odor:	Nil
pH (@ 25 Deg. C):	Not Applicable
Octanol/Water Coeff:	No data
Solubility in Water:	Insoluble, but can react with water.
Bulk Density:	No data
Specific Gravity:	No data

10. Stability and Reactivity

Stability-Reactivity Summary: Stable under normal conditions.

Reactive Properties:

Sensitivity to mechanical shock: None
Hazardous Polymerization: Will not occur
Conditions to Avoid: High temperature and high humidity storage may shorten the useful life of the product.
Chemical Incompatibility: Acids

Incompatible materials: None
Hazardous Decomposition Products: None
Decomposition Temperature: No data

11. Toxicological Information

Component Animal Toxicology

No component offers a hazard on any of these categories.

Oral LD50 value: No components offer ingestion toxicity concerns.
Dermal LD50 value: No components offer skin permeation toxicity concerns.
Inhalation LC50 value: See TLV data in Section 2.
Skin Irritation: This material is not expected to be irritating, or a skin sensitizer.
Eye Irritation: This material is expected to be slightly irritating on a mechanical basis.
Reproductive and Developmental Toxicity: No data.
Inhalation: No data.
Mutagenicity: Not known or reported to be mutagenic.
Carcinogenicity: No component is known or reported to be carcinogenic by any reference source including IARC, OSHA, NPT or EPA.

12. Ecological Information

Ecological Toxicity Values:

Environmental fate: No data.
Environmental Toxicity: No data.

13. Disposal Considerations

Waste Disposal Summary:

Product has none of the characteristics of a hazardous waste.

Potential US EPA Waste Codes:
None

Disposal Methods:
Disposed of in accordance with local, state and federal regulations.

Components subject to land ban restrictions:
No data

14. Transportation Information

Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, Emergency Response Guide Number

Labels required per 49 CFR 172.101:	Not regulated
Size for "Limited quantity" per 49 CFR 173.150-.155:	None
Reportable Quantity ("RQ") per 49 CFR 172.101:	Not applicable
Passenger and Cargo Air & Rail (172.101):	None
Eff. Jan 1, 2001 Cargo only:	No restrictions
Vessel Stowage:	No restrictions

15. Regulatory Information

UNITED STATES:

Toxic Substances Control Act (TSCA):

All ingredients are listed.

Pesticide acceptance indication: US EPA Registration Number:

Not applicable

California Prop. 65 CAS# 14808-60-7 Silica (Crystalline quartz (respirable))

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313" in Section 3 above.

Hazard Categories Sections 311/312 (40 CFR 370.2):

Health:

Acute: No

Fire: No

Pressure: No

Chronic: Yes

Reactivity: No

Physical:

Emergency Planning & Community Right to Know (40 CFR 355, App. A):

Contains no chemicals listed.

Reportable Quantity (40 CFR 302.4): None: Not possible in one non bulk container.

CANADA

Canada: WHMIS Information: The Canadian Workplace Hazardous Materials Information System (WHMIS) classification for this product is: Not Classified.

CPR STATEMENT: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Component supplier MSDSs referenced:

Iron powder: Mallinckrodt Baker, #17500

Black Iron Oxide: The Prince Manufacturing Co., Printed Sep-12-2007.

16. Additional Information

Label Hazard Warning:

CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO EYES AND RESPIRATORY TRACT.

Label Precautions:

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Avoid breathing dust.

Keep container closed.

Use with adequate ventilation.

Label First Aid:

If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of this product.

Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use.

Lynn Peavey Company assumes no responsibility for injury to vendee or third persons proximately caused by the material since conditions of use are beyond vendor's control. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

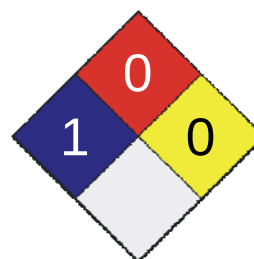
Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

1. Product and Company Identification

Product Name Lysol Brand® (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents
UPC CODES Refer to Section 16
CAS # Mixture
Product use Disinfectant
Distributed by Reckitt Benckiser
 Morris Corporate Center IV
 399 Interpace Parkway
 P.O. Box 225
 Parsippany, NJ 07054-0225
 In Case of Emergency: 1-800-228-4722
 Transportation Emergencies: 24 Hour Number:
 North America: CHEMTREC: 1-800-424-9300
 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	B



2. Hazards Identification

Emergency overview

This product is regulated by the US EPA as a disinfectant.

PRECAUTIONARY STATEMENTS: Hazards to humans and domestic animals.

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

May irritate eye.

Skin

Non-irritating to the skin.

Inhalation

None expected.

Ingestion

Not orally toxic.

Target organs

Blood. Eyes. Liver. Respiratory system. Skin.

Chronic effects

The finished product is not expected to have chronic health effects.

Signs and symptoms

Symptoms may include redness, edema, drying, defatting and cracking of the skin.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Ethanol	64-17-5	2.5 - 10
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	Not Applicable	0.1 - 1

4. First Aid Measures

First aid procedures

Eye contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin contact	In keeping with good hygienic practices, wash exposed areas thoroughly with soap and water.
Inhalation	None required under recommended use conditions. Remove to fresh air.
Ingestion	Rinse mouth with water. Contact a physician or poison control center if symptoms develop. NEVER give an unconscious person anything to ingest.
Notes to physician	Symptoms may be delayed.
General advice	Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties	Not flammable by OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Water spray. Foam. Dry chemical.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Methods for containment	Do not allow product to enter sewer or waterways.
Methods for cleaning up	Remove sources of ignition. Never return spills in original containers for re-use.
Other information	Pick up and discard towel.

7. Handling and Storage

Handling	CAUTION May cause eye irritation. Avoid contact with eyes. Wash hands after handling and before eating. Use good industrial hygiene practices in handling this material. DO NOT PUSH FINGER THROUGH OPENING. Use according to package label instructions.
Storage	Store in original container in a cool, secure area inaccessible to children and pets. Do not store at temperatures above 120°F (49°C). Store in a closed container away from incompatible materials. Food contact surfaces must be rinsed with potable water. Unplug small appliances before cleaning. Not recommended for polished or bare wood floors. Not intended for personal hygiene. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	ACGIH-TLV Not established OSHA-PEL Not established
Ethanol	ACGIH-TLV TWA: 1000 ppm STEL: 1000 ppm OSHA-PEL TWA: 1000 ppm
Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye / face protection	Avoid contact with eyes. Emergency responders should wear full eye and face protection.
Hand protection	Wash hands after use. Emergency responders should wear impermeable gloves.
Skin and body protection	As required by employer code. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.
Respiratory protection	Not normally required under normal use conditions. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

9. Physical and Chemical Properties

Appearance	Liquid saturated on wipe
Color	clear liquid
Form	Pre-moistened towelette.
Odor	Various
Odor threshold	Not available
Physical state	Not available
pH	6 - 8.5 (Liquid)
Freezing point	Not available
Pour point	Not available
Boiling point	Not available
Flash point	> 200 °F (> 93.33 °C) (Liquid) Tagliabue
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.97 (Liquid)
Octanol/water coefficient	Not available
Solubility (H2O)	Wipe is not soluble
Auto-ignition temperature	Not available

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	DO NOT MIX WITH BLEACH or use in conjunction with other household products. Heat, open flames, static discharge, sparks and other ignition sources.
Incompatible materials	Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	Not available
Ethanol	31623 ppm rat

Component analysis - Oral LD50

Ingredient(s)	LD50
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	426 mg/kg rat
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat

Effects of acute exposure

Eye	May irritate eye.
Skin	Non-irritating to the skin.
Inhalation	None expected.
Ingestion	Not orally toxic.
Sensitization	The finished product is not expected to have chronic health effects.
Chronic effects	The finished product is not expected to have chronic health effects.
Carcinogenicity	The finished product is not expected to have chronic health effects.

ACGIH - Threshold Limit Values - Carcinogens

Ethanol	64-17-5	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
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Mutagenicity	The finished product is not expected to have chronic health effects.
Reproductive effects	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.
Synergistic Materials	Not available

12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.
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Ecotoxicity - Freshwater Fish Species Data

Ethanol	64-17-5	96 Hr LC50 Oncorhynchus mykiss: 12.0-16.0 ml/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400-15100 mg/L [flow-through]
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Ecotoxicity - Water Flea Data

Ethanol	64-17-5	48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]
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Environmental effects	Not available
Aquatic toxicity	Not available
Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Do not reuse empty container. Rinse container and offer for recycling where facilities exist. Review federal, state/provincial, and local government requirements prior to disposal. Discard with solid waste.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

UN/ID N.o.	Not applicable
U.S. Department of Transportation (DOT): Classification: Not regulated	
Proper shipping name	Not applicable
U.S. DOT Hazard Class	Not applicable
Subsidiary Risk	Not applicable
Packing group	Not applicable
DOT RQ (lbs)	Not applicable
ERG NO	Not applicable

Transportation of Dangerous Goods (TDG - Canada): Classification: Not regulated

Proper shipping name	Not applicable
Status	Not applicable
Packing group	Not applicable

IMDG (Marine Transport): Classification: Not regulated

Proper shipping name	Not applicable
Class	Not applicable
Subsidiary Risk	Not applicable
Packing group	Not applicable
IMDG Page	Not applicable
Marine pollutant	Not applicable
EMS	Not applicable
MFAG	Not applicable
Maximum Quantity	Not applicable

IATA/ICAO (Air): Classification:	Not regulated
Proper shipping name	Not applicable
Class	Not applicable
Subsidiary Risk:	Not applicable
Packing group	Not applicable
Maximum Quantity	Not applicable

15. Regulatory Information

US Federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SARA Hazardous Substances - Not applicable.
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Product Registration: Registered with EPA, EPA Reg. No. 777-68

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Clean Air Act (CAA) Not available

Clean Water Act (CWA) Not available

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - Massachusetts - Right To Know List

Ethanol	64-17-5	Teratogen
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U.S. - Minnesota - Hazardous Substance List

Ethanol	64-17-5	Present
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U.S. - New Jersey - Right to Know Hazardous Substance List

Ethanol	64-17-5	sn 0844
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U.S. - Pennsylvania - RTK (Right to Know) List

Ethanol	64-17-5	Present
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U.S. - Rhode Island - Hazardous Substance List

Ethanol	64-17-5	Toxic; Flammable
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Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer	This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
Further information	19200-81145-3 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 35 ct - Citrus - 0059368 19200-77182-5 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 80 ct - Citrus - 0059368 19200-81360-0 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 2x35 ct. - Citrus - 0059368 19200-80296-3 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 2x80 ct - Citrus - 0059368 19200-78849-6- LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 110 ct - Citrus - 0059368 19200-81146-0 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 35 ct - Spring Waterfall - 0059302 19200-77925-8 - LYSOL® Brand (Kills 99.9% of Viruses & Bacteria) Disinfecting Wipes, All Scents - 80 ct - Spring Waterfall - 0059302
Issue date	09-Jul-2010
Effective date	15-Jun-2010
Prepared by	Reckitt Benckiser Regulatory Department 800-333-3899
Other information	For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

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

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	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

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 (CO ₂)
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 concentratio n	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 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
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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/cm3
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 mm2/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	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

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

SAFETY DATA SHEET



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:

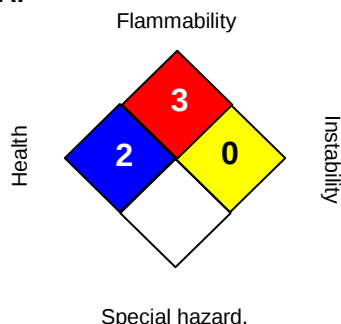
AICS : All ingredients listed or exempt.

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

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[Home](#) -> [Other](#) -> [Cleaners \(Private Label\)](#) -> Safeway Multi-Purpose Deodorizing Cleaner

Safeway Multi-Purpose Deodorizing Cleaner

Multi-Purpose Deodorizing Cleaner, Orange

Weight: 32 fl oz (1qt) 946 ml

On This Page

[Directions](#)[Product Details](#)[Warnings](#)[Manufacturer](#)[UPC](#)

Directions

Turn nozzle to spray or stream position and apply. General Cleaning: Spray soiled area then wipe clean. Repeat for heavily soiled areas. To Deodorize: Always pre-clean surface first. Spray until thoroughly wet. Let stand for at least 10 minutes, then wipe clean. A rinse with potable water is required on surfaces in direct contact with food.

Product Details

With pure orange oil. Cuts tough grease. Removes tough grease with pure orange oil. Deodorizes! Easy to use! Leaves no residue! Contains no bleach or phosphates. Safe for septic systems. Recommended for use on: Appliances (microwaves, toasters, stovetops). Kitchen (counters, sinks, tile, floors). Bathroom (basin, tub, shower, porcelain). Product of Canada.

Warnings

Eye irritant. For sensitive skin or prolonged used, wear gloves. Keep out of reach of children.

Manufacturer

Safeway, Inc.

P.O. Box 99 Pleasanton, CA 94566-009 888-SAFEWAY

UPC

021130440559



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Material Safety Data Sheet

MSDS No. MSDS0017

Sani-Dex[®] ALC Antimicrobial Alcohol Gel Hand Wipes, Sani Hands for Kids

1.0 Product and Company Identification

Product Name(s): SANI-DEX[®] ALC ANTIMICROBIAL ALCOHOL GEL HAND WIPES,
SANI HANDS FOR KIDS

Manufacturer or Supplier:

Nice-Pak Products, Inc. or
PDI, The Healthcare Div. of Nice-Pak Products, Inc.
Two Nice-Pak Park
Orangeburg, NY 10962-1376
Toronto, Ontario M9L 1V8 Canada (800) 263-7067
Flint, United Kingdom +44 (0) 1352-736700

Emergency and General Information:

1-845-365-1700 (USA) (M-F 8am-5pm Eastern
time) or call your local Poison Control Center

2.0 Composition/Information on Ingredients

Component	CAS Number	Percent (%)
Ethanol	64-17-5	65.9

3.0 Hazards Identification

Emergency Overview: Flammable. Keep away from fire or flame. Causes moderate eye irritation.

NFPA 704 Hazard Ratings:

Flammability: 2

Health: 1

Instability (Reactivity): 0

Special: None

Potential Health Effects: Causes moderate eye irritation.

Eye Contact: Causes moderate eye irritation.

Skin Contact: Discontinue use if irritation and redness develop.

Inhalation: Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, and other central nervous system effects.

Ingestion: If swallowed, get medical help or contact a Poison Control Center immediately.

4.0 First Aid Measures

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Skin Contact: Discontinue use if irritation and redness develop. If condition persist for more than 72 hours consult a physician. **Keep this out of reach of children** unless under adult supervision.

SANI-DEX[®] ALC ANTIMICROBIAL ALCOHOL HAND WIPES, SANI HANDS FOR KIDS

PDI

Issue Date: April 25, 2006

Page 1 of 4

Page 92 of 120

Inhalation: Remove the affected person to fresh air. Administer artificial respiration if breathing has stopped. Call for prompt medical attention.

Ingestion: For external use only. If swallowed, get medical help or contact a Poison Control Center immediately.

5.0 Fire Fighting Measures

Flammability: Flammable (ICAO 1.1.2.1)

Explosion Hazard: None

Extinguishing Media: Alcohol foam, carbon dioxide, water spray or fog.

Precautions: Remove sources of ignition if possible.

Hazardous Combustion Products: None

Special Information: None

6.0 Accidental Release Measures

Remove all sources of ignition. Contain on absorbent material specifically designed for flammable materials.

7.0 Handling and Storage

Handling: Flammable, keep away from fire or flame. Keep out of reach of children unless under adult supervision. Do not reuse towelette..

Storage: Store at room temperature. Avoid freezing conditions.

8.0 Exposure Controls/Personal Protection

Component	CAS#	Exposure Limits
Ethanol	64-17-5	OSHA PEL: 1000 ppm OSHA STEL: Not established ACGIH TLV: 1000 ppm ACGIH STEL: Not established UK OES MEL: 1000 ppm UK OES STEL: Not established DFG MAK TWA: 1000 ppm DFG MAK 30 min STEL: 1300 ppm

Eye Protection: Do not use in or contact the eyes.

Skin Protection: Apply topically to the skin to help prevent cross contamination.

Respiratory Protection: Use appropriate respiratory protection if exposure limit is exceeded.

9.0 Chemical And Physical Properties

Appearance and Odor: Wipe saturated with clear, colorless liquid with mild alcohol odor.

Boiling Point: N/A

Flashpoint: 74°F (Tag Closed Cup)

Vapor Density: N/A

Vapor Pressure: N/A

Solubility in Water: Treated wipe is not soluble in water.

Specific Gravity: N/A

pH: 5.8

10.0 Stability And Reactivity

Stability: Stable

Conditions To Avoid: N/A

Materials To Avoid: Oxidizing agents, anionic surfactants, soaps.

Hazardous Decomposition: N/A

Hazardous Polymerization: Will not occur

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PDI

Issue Date: April 25, 2006

11.0 Toxicological Information for Solution

Toxicological Data: In case of medical emergency, contact your local poison control center immediately.

Carcinogenicity: None Available

12.0 Ecological Information

Ecological testing has not been performed on this product

13.0 Disposal Considerations:

Follow label directions carefully.

Dispose of used wipe in trash. Do not flush in toilet.

Dispenser / Packet: Do not reuse empty container or packet. Wrap container or packet and put in trash collection.

14.0 Transportation Information

Packet has no free liquid and therefore is not regulated for Domestic and International shipments

Canisters:

Domestic (U.S. D.O.T.) Ground

Proper Shipping Name: Consumer Commodity

Hazard Class: ORM-D (ORM-D-Air for domestic air shipments)

Identification Number: None

Packing Group: None

Canisters:

International (Air, European Rail, Canadian, Water, I.M.O.)

Proper Shipping Name: Consumer Commodity

Hazard Class: 9

ID: 8000

Packing Group: None

15.0 Regulatory Information

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 355): This product is considered not reportable.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA.

SARA Title III Section 304 Extremely Hazardous Substances (40 CFR Part 355.30): This product is not regulated under Section 304 of SARA.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): Sani Dex ALC Wipes are exempt from reporting requirement (40 CFR 370.2)

SARA Title III Section 313 (40 CFR Part 372): None

U.S. Inventory (TSCA): Listed

OSHA Hazard Communication Standard: Moderate Eye Irritant

California Proposition 65: Not listed

New Jersey Right to Know: Ethanol (64-17-5)

Pennsylvania Right to Know: Ethanol (64-17-5) (generic environmental hazard)

EPA Reg. No.: N/A

NDC No.: N/A

Medical Device Number: N/A

EC Inventory (EINECS/ELINCS): For U.S. sale and distribution only.

EC Risk Phrases: For U.S. sale and distribution only.

EC Safety Phrases: For U.S. sale and distribution only.

Japan Inventory (MITI, MOL): For U.S. sale and distribution only.

Australia Inventory (AICS): For U.S. sale and distribution only.

Korea Inventory (ECL): For U.S. sale and distribution only.

SANI-DEX® ALC ANTIMICROBIAL ALCOHOL HAND WIPES, SANI HANDS FOR KIDS

PDI

Issue Date: April 25, 2006

Canada Inventory (DSL): For U.S. sale and distribution only.

Philippine Inventory (PICCS): For U.S. sale and distribution only.

16.0 Other Information

Label Precautions: Flammable, keep away from fire or flame. For external use only. Do not use in or contact the eyes. Discontinue use if irritation and redness develop. If condition persist for more than 72 hours consult a physician. **Keep this out of reach of children** unless under adult supervision. If swallowed, get medical help or contact a Poison Control Center immediately.

Disclaimer: The statements contained herein are based upon technical data that Nice-Pak Products, Inc. believes to be reliable, are offered for information purposes only and as a guide to the appropriate precautionary and emergency handling of the material by a properly trained person having the necessary technical skills. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use, storage and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

NICE-PAK PRODUCTS, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, WITH RESPECT TO THE INFORMATION HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

Section 1 – Product and Company Identification

Product(s): **SCRUBS® White Board Cleaner Wipes**
Formula: B908
Part Number(s): 90801, 90891

Company Name & Address:



805 E. Old 56 Hwy.
Olathe, KS 66061
800-443-9536 (8 a.m. – 5 p.m. Weekdays, CDT)

Emergency Numbers:

IN CASE OF EMERGENCY, CALL Infotrac @ 1-800-535-5053, 24 hrs.
INTERNATIONAL EMERGENCY NUMBER 352-323-3500
Poison Control Center: 1-800-222-1222

Material Safety Data Sheets:

www.dymon.com**Section 2 – Hazards Identification**

Towel contact with eyes may cause irritation. Do no use for personal hygiene or as a baby wipe.

Potential Health Effects

EYES: May cause eye irritation.

SKIN: Repeated overexposure may cause skin irritation.

INHALATION: Overexposure to vapors (unlikely) may upper respiratory tract irritation, drowsiness or dizziness.

INGESTION: Swallowing large amounts may be harmful.

Signs/symptoms of exposure: redness, tearing or burning in eyes. Redness, drying or cracking of skin. Gastrointestinal irritation if swallowed. Overexposure to vapors (unlikely) may cause central nervous system effects such as drowsiness, dizziness, fatigue or loss of coordination. Medical conditions generally aggravated by exposure: pre-existing skin conditions such as dermatitis may be adversely affected by this product. Follow good chemical hygiene practices to avoid complications.

HMIS Rating

Health – 0

Flammability – 0

Reactivity – 0

Personal Protection – None

Section 3 – Composition/Information on Ingredients

Ingredient	CAS Number	Percent Range
Water	7732-18-5	60 – 100

Any substance listed as hazardous by the states of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

Section 4 – First Aid Measures

EYES: Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Seek medical attention immediately.

SKIN: If irritation arises and persists seek medical attention.

INHALATION: Unlikely route as liquid is impregnated on a towel, minimizing exposure via this route. If overexposed move to fresh air. If symptoms develop seek medical attention.

INGESTION: Not a likely exposure route. If a large quantity of liquid is swallowed, do not induce vomiting, call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5 – Fire Fighting Measures

Flashpoint (PMCC): None to boiling, solution on towel.

Extinguishing Media: Not usually needed as product does not readily support combustion. Use media appropriate for fire's fuel source.

Special Fire Fighting Procedures:

Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways.

Hazardous Products of Combustion:

Carbon monoxide, carbon dioxide, smoke and soot.

Section 6 – Accidental Release Measures

Small spill: Caution, slip hazard. Wipe up small releases with a dry absorbent cloth or other absorbent material.
Large spill: Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent material from entering sewers and drains. Ventilate area and block traffic. Transfer contaminated material into suitable container for proper disposal. Clean any slippery residues with soap and water.

Section 7 – Handling and Storage

Handling: Do not allow towel contact with eyes. Wash thoroughly after handling. Avoid inhaling vapors. Follow good chemical hygiene practices when handling this material. Use from original container only and follow label directions carefully.
Storage: Keep container closed when not in use. Store in a cool well-ventilated area. Keep out of reach of children. Do not contaminate water, food or feed by use or storage. Keep from freezing.

Section 8 – Exposure Controls/Personal Protection

Engineering controls: Ventilation not usually necessary but should be provided in the event of overexposure.
Exposure limits: No data.
Eye protection: None necessary. Do not allow towel to directly contact eyes.
Skin protection: None necessary. If repeated or prolonged contact is possible, wear impervious gloves.
Respiratory protection: Not usually necessary. If vapors are present or irritation is experienced, use NIOSH/MSHA approved respirator.

Section 9 – Physical and Chemical Properties

Appearance and Odor: Colorless liquid with floral scent saturated onto towels.
pH: 4.5 +/- 0.5 **Boiling Point:** 212° F **Specific Gravity:** 1.002 g/mL
Vapor Density: >1 **Vapor Pressure:** No Data **Solubility in Water:** Complete
Evaporation Rate: No Data **Volatile Organic Compounds (VOCs):** 0% by weight

Section 10 – Stability and Reactivity

Hazardous Polymerization: This product will not undergo hazardous polymerization.
Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, smoke and soot.
Chemical Stability: Stable
Incompatible Materials: Strong oxidizers, acids or bases.

Section 11 – Toxicological Information

No data.

Section 12 – Ecological Information

No data.

Section 13 – Disposal Considerations

Dispose of in accordance with all applicable local, state, and federal regulations.
Waste information: If this product becomes a waste, it would not be hazardous as defined by RCRA (40CFR261). However the waste should be properly evaluated in case of modification prior to disposal.

Section 14 – Transport Information

The following transportation information is based on Department of Transportation Regulations found in 49 CFR. If shipping this product by air please refer to International Air Transport Association (IATA) Dangerous Goods Regulations. If shipping this product by ocean please refer to International Maritime Dangerous Goods Regulations (IMDG). To find how to ship this product please refer to the UN# listed below.

	UN #	Proper Shipping Description	Hazard Class	Packing Group
DOT Information	None	Not Regulated	None	None

Marine Pollutants: None

Section 15 – Regulatory Information

US Federal Regulations

Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory or exempt from listing.

CERCLA RQ

None

SARA 313 Components

None

State and Local Regulations

California Proposition 65

None

Section 16 – Other Information

WARNING! The use of this product is beyond the control of the manufacturer; therefore, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The user must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, and MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product shall be found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.

SAFETY DATA SHEET

Issuing Date 25-Apr-2014

Revision Date 25-Apr-2014

Revision Number 0

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

Product identifier 20122, 20345, 20967, 20500, 20338, 20515, 20555, 20700

Product Name "Sparkle" Glass Cleaner

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Window/surface cleaner

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

A.J. Funk and Co
1471 Timber Drive, Elgin, Illinois, 60123
US
Phone: 8477416760
Fax: 8477416767
Contact:
Contact Phone: 8477416760
Emergency Phone: 8772253865

Emergency telephone number

Company Emergency Phone Number 8772253865

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

GHS Label elements, including precautionary statements

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Purple

Physical State Liquid

Odor Pleasant

Precautionary Statements - Prevention

Obtain special instructions before use

Precautionary Statements - Response

None

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

- Not Applicable

Unknown Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

Other information

May cause slight eye irritation

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
2-Butoxyethanol	111-76-2	5 - 10	*

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

4. FIRST AID MEASURES**First aid measures****Eye Contact**

Rinse thoroughly with plenty of water, also under the eyelids. 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

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

Ingestion

Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Protection of First-aiders

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination

Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available.

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

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 eyes.

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 Soak up with inert absorbent material. 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 eyes.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 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 No special protective equipment required.

Skin and Body Protection No special protective equipment required.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid	Odor	Pleasant
Appearance	Purple		

Color	No information available	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>	
pH	7	None known	
Melting/freezing point	No data available	None known	
Boiling point / boiling range	171 °C / 340 °F	None known	
Flash Point	No data available	None known	
Evaporation rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limits 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	No data available	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		
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	No data available

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

None known based on information supplied.

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	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye Contact	May cause irritation.
Skin Contact	Prolonged or repeated contact may dry skin and cause irritation.
Ingestion	Not an expected route of exposure Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 220 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

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
2-Butoxyethanol 111-76-2	A3	Group 3		

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

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.

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)
5,222.00 mg/kg

ATEmix (dermal)

12,222.00 mg/kg (ATE)

ATEmix (inhalation-dust/mist)

16.70 mg/L

ATEmix (inhalation-vapor)

122.00 ATEmix

12. ECOLOGICAL INFORMATION**Ecotoxicity**

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

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Log Pow
2-Butoxyethanol 111-76-2	0.81

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 in accordance with local regulations.

California Hazardous Waste Codes 561

14. TRANSPORT INFORMATION**DOT** NOT REGULATED**TDG** Not regulated**MEX** Not regulated**ICAO** Not regulated**IATA** Not regulated

IMDG/IMO	Not regulated
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

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

U.S. 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 %
2-Butoxyethanol - 111-76-2	111-76-2	5 - 10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
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
2-Butoxyethanol 111-76-2	X	X	X	X	X

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
2-Butoxyethanol 111-76-2 (5 - 10)		Mexico: TWA 26 ppm Mexico: TWA 120 mg/m ³ Mexico: STEL 75 ppm Mexico: STEL 360 mg/m ³

*Mexico - Occupational Exposure Limits - Carcinogens***Canada****WHMIS Hazard Class**

Non-controlled

16. OTHER INFORMATION

<u>NEPA</u>	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal Protection X

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

Revision Date 25-Apr-2014

Revision Note No information available

General 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

Section 1 – Product and Company Identification

Product(s): **Stainless Steel Cleaner (Oil-Based)**
 Formula: A209
 Part Number(s): 20916, 20920

Company Name & Address: **ITW Professional Brands**
 805 E. Old 56 Hwy.
 Olathe, KS 66061
 800-443-9536 (8 a.m. – 5 p.m. Weekdays, CDT)

Emergency Numbers: **IN CASE OF EMERGENCY, CALL Infotrac @ 1-800-535-5053, 24 hrs.**
INTERNATIONAL EMERGENCY NUMBER 352-323-3500
 Poison Control Center: 1-800-222-1222

Material Safety Data Sheets: www.itwprobrands.com

Section 2 – Hazards Identification

DANGER. Contains petroleum distillates – aspiration hazard. Harmful or fatal if swallowed. Can enter lungs and cause damage. May cause eye, skin and respiratory tract irritation. Can cause central nervous system effects if improperly used. Contents under pressure.

Potential Health Effects

EYES: May cause eye irritation.

SKIN: May cause skin irritation.

INHALATION: May cause respiratory tract irritation.

INGESTION: Aspiration hazard. Harmful or fatal if swallowed.

Signs/symptoms of exposure: Redness, tearing or burning in eyes. Drying, burning or cracking of skin. Nose, throat, and digestive tract irritation. Headaches, nausea, vomiting, drowsiness, dizziness, loss of coordination. Medical conditions generally aggravated by exposure: pre-existing skin, lung and stomach disorders may be adversely affected. Follow good chemical hygiene practices to avoid these hazards.

HMIS Rating Health – 1 Flammability – 2 Reactivity – 0 Personal Protection – B

Section 3 – Composition/Information on Ingredients

Ingredient	CAS Number	Percent Range
Paraffins, Naphthenic Solvent	64742-47-8	60 – 100
White Mineral Oil	8042-47-5	10 – 30
Isobutane	75-28-5	7 – 13
Propane	74-98-6	1 – 5
Perfume (parfum)	Mixture	1 – 5

Any substance listed as hazardous by the states of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

Section 4 – First Aid Measures

EYES: Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Seek medical attention immediately.

SKIN: Flush with plenty of water for 15 minutes while removing contaminated clothing and shoes. If irritation arises and persists seek medical attention. Launder clothing and shoes before reuse.

INHALATION: Move to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration.

INGESTION: Do NOT induce vomiting unless directed by a physician. Aspiration hazard. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5 – Fire Fighting Measures

Flashpoint (PMCC):	180° F
Extinguishing Media:	Carbon dioxide, dry chemical, foam.
Special Fire Fighting Procedures:	Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear self-contained breathing apparatus (SCBA) in chemical fires.
Hazardous Products of Combustion:	Carbon dioxide, carbon monoxide.

Section 6 – Accidental Release Measures

Small spill:	Wipe up small releases with a dry absorbent cloth or other absorbent material.
Large spill:	Ventilate area and block traffic. Eliminate all ignition sources. Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent material from entering sewers and drains. Transfer contaminated material into suitable container for proper disposal.

Section 7 – Handling and Storage

Handling:	Avoid contact with eyes, skin and clothing. Avoid inhaling mists or vapors. Do not smoke while using. Use only with adequate ventilation. Do not swallow. Wash thoroughly after handling. Launder clothing before reuse. Do not deliberately concentrate and inhale vapors. Direct spray away from face. Spray can in upright position only. Follow good chemical hygiene practices when handling this material. Use from original container only and follow label directions carefully.
Storage:	Keep away from heat, sparks, open flame and direct sunlight. Store in a cool (less than 120° F) well-ventilated area. Keep out of reach of children. Do not contaminate water, food or feed by use or storage. Do not puncture or incinerate container. Replace cap when not in use.

Section 8 – Exposure Controls/Personal Protection

Engineering controls:	Ventilation not usually necessary but should be provided in the event of overexposure.
Exposure limits:	Paraffins, Naphthenic Solvent (CAS #64742-47-8)=152 ppm TWA Manufacturer's Recommendation Isobutane (75-28-5)=800 ppm OSHA; 800 ppm ACGIH Propane (CAS# 74-98-6)=1000 ppm OSHA; Asphyxiant ACGIH
Eye protection:	Yes, wear approved safety glasses or goggles if direct contact is possible.
Skin protection:	Yes, wear impervious gloves if direct contact is possible.
Respiratory protection:	Not usually necessary. If vapors are present or irritation is experienced, use NIOSH/MSHA approved respirator.

Section 9 – Physical and Chemical Properties

Appearance and Odor:	Colorless liquid with a lemon odor.	
pH:	N/A	Boiling Point: 420° F
Vapor Density:	>1	Flame Projection: > 12", no flashback
Pressure:	60 psig	Specific Gravity: 0.800
		Solubility in Water: None
		Volatile Organic Compounds (VOCs): 12.56 % by weight

Section 10 – Stability and Reactivity

Hazardous Polymerization:	This product will not undergo hazardous polymerization.
Hazardous Decomposition or Byproducts:	Carbon dioxide, carbon monoxide.
Chemical Stability:	Stable
Incompatible Materials:	Strong oxidizers, acids and alkalis.

Section 11 – Toxicological Information

No data.

Section 12 – Ecological Information

No data.

Section 13 – Disposal Considerations

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

Waste information: If this product becomes a waste, it would not be a hazardous waste as defined by RCRA (40CFR261). However the waste should be properly evaluated in case of modification prior to disposal.

Section 14 – Transport Information

The following transportation information is based on Department of Transportation Regulations found in 49 CFR. If shipping this product by air please refer to International Air Transport Association (IATA) Dangerous Goods Regulations. If shipping this product by ocean please refer to International Maritime Dangerous Goods Regulations (IMDG). To find how to ship this product please refer to the UN# listed below.

	UN #	Proper Shipping Description	Hazard Class	Packing Group
DOT Information	None	Consumer Commodity	ORM-D	None

Marine Pollutants: None

Section 15 – Regulatory Information**US Federal Regulations**

Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory or exempt from listing.

CERCLA RQ

None

SARA 313 Components

None

State and Local Regulations

California Proposition 65

None

Section 16 – Other Information

WARNING! The use of this product is beyond the control of the manufacturer; therefore, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The user must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, AND MERCHANTABILITY. FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product shall be found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.

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	: 0.2 % - additional exemptions may apply	:
Total VOC (wt. %)*	*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	:
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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)
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