Safety Data Sheets

Justice Court

RSC, Willcox

11/26/2019

Safety Data Sheet Index

Binder: RSC, Willcox - Justice Court

Product Name	CAS Number	Manufacturer	Version Date	Page
Eagle One 20/20 AEROSOL GLASS CLEANER - Eagle One 20/20 AEROSOL GLASS CLEANER		ASHLAND CHEMICAL COMPANY	11/12/2009	3
Fellowes Powershred Shredder Lubricant 35250 - 35250 Fellowcs Powershred Shredder Lubricant	120962-03-0	Fellowes, Inc.	02/10/2012	15
FOLEX INSTANT CARPET SPOT REMOVER - FOLEX INSTANT CARPET SPOT REMOVER		FOLEXPORT, INC. RDH CHEMICAL COMPANY FOLEX COMPANY	11/11/2013	18
GreenThumb Home & Garden Bug Killer - GreenThumb Home & Garden Bug Killer		CHEMSICO INC.	10/22/2004	21
KRYLON Fusion for Plastic Flat Black - KRYLON Fusion for Plastic Flat Black		Krylon Products Group	01/15/2018	22
Mean Green Super Strength Cleaner & Degreaser - Mean Green Super Strength Cleaner & Degreaser		CR Brands, Inc.	10/01/2012	39
ORTHO FLYING INSECT KILLER - ORTHO FLYING INSECT KILLER		The ORTHO Group	11/02/2000	41
Poli-Kleen Wax Polish - Poli-Kleen Wax Polish		WAXIE SANITARY SUPPLY	08/29/2012	50
Purple Power Industrial Strength Cleaner/Degreaser - Purple Power Industrial Strength Cleaner/Degreaser		Aiken Chemical Company, Inc.	08/15/2014	56
QUALITY CARE Furniture Polish - QUALITY CARE Furniture Polish		Sherwin-Williams Diversified Brands	11/29/2011	59
Sparkle Glass & Surface Cleaner - Sparkle Glass & Surface Cleaner		WAXIE SANITARY SUPPLY	11/08/2007	63
WAX BUSTER FLOOR STRIPPER - WAX BUSTER FLOOR STRIPPER		WAXIE SANITARY SUPPLY	05/01/1998	70
Waxie Hospital Spray Surface Disinfectant - Waxie Hospital Spray Surface Disinfectant		Waxie Enterprises, Inc.	10/05/2000	72
WD-40 Aerosol - WD-40-Aerosol		WD-40 Company	12/28/2017	73

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

Ashland P.O. Box 2219 Columbus, OH 43216	Regulatory Information Number Telephone Emergency telephone	1-800-325-3751 614-790-3333 1-800-ASHLAND (1-800-274-5263)

Product name	Eagle One™ 20/20 AEROSOL GLASS CLEANER
Product code	E12040618
Product Use Description	No data

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid,

CAUTION! MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Potential Health Effects

Exposure routes

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

Eye contact

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin contact

Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage. 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. This material can get

into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing aerosol and/or mist is possible when material is sprayed. Aerosol and mist may present a greater risk of injury because more material may be present in the air than from vapor alone. 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), kidney, Liver

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), Lowered blood pressure, mild, temporary changes in the liver, effects on heart rate, Difficulty in breathing, Bloody urine, blood abnormalities (breakage of red blood cells), lung edema (fluid buildup in the lung tissue), liver damage, respiratory depression (slowing of the breathing rate), Lack of coordination, confusion, kidney damage, coma

Target Organs

Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans., Breathing isopropanol vapors has caused damage to the lining of the middle ear in experimental animals. The relevance of this finding to humans is uncertain., Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals:, mild, reversible liver effects, Acute lethal exposure to ethylene glycol monobutyl ether in animal studies has resulted in congestion of organs including kidney, spleen, and lung., mild, reversible spleen effects, blood abnormalities

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). Ethylene glycol monobutyl ether has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain.

Reproductive hazard

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration
ISOPROPANOL	67-63-0	
BUTANE NORMAL	106-97-8	
PROPANE	74-98-6	
AMMONIUM HYDROXIDE ((NH4)(OH))	1336-21-6	
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and 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

Hazards: This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting. Administration of high doses of isopropanol in combination with known hepatotoxic chemicals resulted in enhanced liver toxicity in experimental animals.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, Carbon dioxide (CO2)

Hazardous combustion products

May form:, carbon dioxide and carbon monoxide

Precautions for fire-fighting

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). 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 liquid with water used for cooling purposes.

Flammability Class for Flammable Liquids

Combustible Liquid Class IIIA

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

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. Do not store in temperatures above 120 degrees F. Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

ISOPROPANOL		**67-63-0**
NIOSH	Recommended exposure limit (REL):	400 ppm
NIOSH	Recommended exposure limit (REL):	980 mg/m3
NIOSH	Short term exposure limit	500 ppm
NIOSH	Short term exposure limit	1,225 mg/m3
OSHA Z1	Permissible exposure limit	400 ppm
OSHA Z1	Permissible exposure limit	980 mg/m3
ACGIH	time weighted average	200 ppm
ACGIH	Short term exposure limit	400 ppm

BUTANE NORMAL		**106-97-8**
NIOSH	Recommended exposure limit (REL):	800 ppm
NIOSH	Recommended exposure limit (REL):	1,900 mg/m3
OSHA Z1A	time weighted average	800 ppm
OSHA Z1A	time weighted average	1,900 mg/m3
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	800 ppm
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	1,900 mg/m3

PROPANE		**74-98-6**
NIOSH	Recommended exposure limit (REL):	1,000 ppm
NIOSH	Recommended exposure limit (REL):	1,800 mg/m3
OSHA Z1	Permissible exposure limit	1,000 ppm
OSHA Z1	Permissible exposure limit	1,800 mg/m3
OSHA Z1A	time weighted average	1,000 ppm
OSHA Z1A	time weighted average	1,800 mg/m3
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	1,000 ppm
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	1,800 mg/m3
ACGIH	time weighted average	1,000 ppm

AMMONIUM HYDROXIDE ((NH4)(OH))		**1336-21-6**
ACGIH	time weighted average	25 ppm
ACGIH	Short term exposure limit	35 ppm
NIOSH	Recommended exposure limit (REL):	25 ppm
NIOSH	Recommended exposure limit (REL):	18 mg/m3
NIOSH	Short term exposure limit	35 ppm
NIOSH	Short term exposure limit	27 mg/m3
OSHA Z1	Permissible exposure limit	50 ppm
OSHA Z1	Permissible exposure limit	35 mg/m3
OSHA Z1A	Short term exposure limit	35 ppm
OSHA Z1A	Short term exposure limit	27 mg/m3
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	25 ppm
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	18 mg/m3
US CA OEL	Short term exposure limit	35 ppm

US CA OEL	Short term exposure limit	27 mg/m3

ETHYLENE GLYCOL MONOBUTYL ETHER **111-76-2**

ACGIH	time weighted average	20 ppm
NIOSH	Recommended exposure limit (REL):	5 ppm
NIOSH	Recommended exposure limit (REL):	24 mg/m3
OSHA Z1	Permissible exposure limit	50 ppm
OSHA Z1	Permissible exposure limit	240 mg/m3

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

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

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.

Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be persmissible under certain circumstancs 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
Form	aerosol
Colour	No data
Odour	mint-like
Boiling point/boiling range	100.00 °F / 100 °F
pH	10 - 11
Flash point	No data
Evaporation rate	< 1 (n-Butyl Acetate)
Explosion limits	1.9 %(V) 12 %(V)
Vapour pressure	7,999.00 hPa @ 77 °F / 25 °C
Vapour density	No data
Density	No data
Solubility	soluble in water
Partition coefficient: n-octanol/water	No data
log Pow	no data available
Autoignition temperature	No data

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Avoid contact with:, heat

Incompatible products

Avoid contact with:, Acids, Aldehydes, alkalis, Amines, chlorinated hydrocarbons, Ethylene oxide, halogens, isocyanates, salts of strong bases, Strong oxidizing agents, Do not use with aluminum equipment at temperatures above 120 degrees F.

Hazardous decomposition products

May form:, carbon dioxide and carbon monoxide, Aldehydes, ketones, Organic acids

Hazardous reactions

Product will not undergo hazardous polymerization.

Thermal decomposition

No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

ISOPROPANOL	LD 50 Rat: 4,700 - 5,800 mg/kg
BUTANE NORMAL	LD 50 Rat: > 5 g/kg
PROPANE	no data available
AMMONIUM HYDROXIDE ((NH4)(OH))	LD 50 Rat: 350 mg/kg
ETHYLENE GLYCOL MONOBUTYL ETHER	LD 50 Guinea pig: 1,200 mg/kg

Acute inhalation toxicity

ISOPROPANOL	LC 50 Rat: 16000 ppm, 4 h
BUTANE NORMAL	LC 50 Rat: 658 mg/l , 4 h
PROPANE	LC 50 Rat: > 12190 ppm, 4 h
AMMONIUM HYDROXIDE ((NH4)(OH))	LC 50 Mouse: 4837 ppm, 1 h
ETHYLENE GLYCOL MONOBUTYL ETHER	LC 50 Guinea pig: > 633 ppm, 1 h

Acute dermal toxicity

ISOPROPANOL	LD 50 Rabbit: 5,030 - 7,900 mg/kg
BUTANE NORMAL	LD 50 Rabbit: > 3.16 g/kg
PROPANE	no data available
AMMONIUM HYDROXIDE ((NH4)(OH))	no data available
ETHYLENE GLYCOL MONOBUTYL ETHER	LD 50 Guinea pig: > 2,000 mg/kg

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Acute and Prolonged Toxicity to Fish
No data
Acute Toxicity to Aquatic Invertebrates
No data

Environmental fate and pathways
No data

13. DISPOSAL CONSIDERATIONS

Waste disposal methods
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

14. TRANSPORT INFORMATION

IMDG:
UN1950, AEROSOLS 2.1,
IATA_P:
UN1950, Aerosols, flammable 2.1,
IATA_C:
UN1950, Aerosols, flammable 2.1,
CFR_ROAD:
UN1950, Aerosols 2.1,
CFR_RAIL:
UN1950, Aerosols 2.1,
CFR_INWTR:
UN1950, Aerosols 2.1,
IMDG_ROAD:
UN1950, AEROSOLS 2.1,
IMDG_RAIL:
UN1950, AEROSOLS 2.1,

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
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.
SARA Hazard Classification Acute Health Hazard

SARA 313 Component(s)

AMMONIUM HYDROXIDE ((NH4)(OH))	1336-21-6	100.00%
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	100.00%

New Jersey RTK Label Information

ISOPROPANOL	67-63-0
BUTANE NORMAL	106-97-8
PROPANE	74-98-6
AMMONIUM HYDROXIDE ((NH4)(OH))	1336-21-6
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2

Pennsylvania RTK Label Information

ISOPROPANOL	67-63-0
BUTANE NORMAL	106-97-8
PROPANE	74-98-6
AMMONIUM HYDROXIDE ((NH4)(OH))	1336-21-6
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2

Reportable quantity - Product

US. EPA CERCLA Hazardous Substances (40 CFR 302)	1000 lbs

Reportable quantity - Components

ISOPROPANOL	67-63-0	none
BUTANE NORMAL	106-97-8	none
PROPANE	74-98-6	none

AMMONIUM HYDROXIDE ((NH4)(OH))	1336-21-6	1000 lbs
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	none

	Health	Flammability	Reactivity	Other
HMIS	1	1	0	
NFPA	1	1	0	

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).

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

Chemical Name:	CAS No.	EINECS No.	Maximum Weight :
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 dioxode, water spray, fog, or foam.

Special Firefighting Measures: None

Unusual Hazards: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

SECTION 7: HANDLING AND STORAGE

Handling: Keep away from heat and sources of ignition.

Storage: Do not store near heat or flame. Store away from strong oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes and Face: None necessary when product is used as intended.

Clothing: No special protective clothing when used as intended.

Respiratory: None necessary when product is used as intended.

Ventilation: Normal ventilation is adequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: >575F

Evaporation Rate: Not available

Specific Gravity: 0.92 g/ml (7.67 lb/gal) @ 25C

Solubility in Water: Not soluble

Appearance/Odor: Yellow to amber liquid; faint fatty odor.

SECTION 10: STABILITY AND REACTIVITY

Stable: Stable under normal conditions.

Conditions to Avoid: Keep away from heat and open flame. Avoid strong oxidizing agents.

Chemical Incompatibility: Strong oxidizers

Hazardous Decomposition: Combustion produces carbon monoxide, carbon dioxide, along with thick smoke.

Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Not listed on NTP, OSHA, or IARC.

SECTION 12: ECOLOGICAL INFORMATION

This product is biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

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

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

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated as a hazardous material.

IATA: Not regulated as a hazardous material.

IMO: Not regulated as a hazardous material.

SECTION 15: REGULATORY INFORMATION

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

Canada: All components are listed on the Canadian DSL.

EU: Currently not classified according to EEC Directives.

Additional: None

SECTION 16: OTHER INFORMATION

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

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

February 10, 2012

GHS SAFETY DATA SHEET
FOLEX
INSTANT CARPET SPOT REMOVER

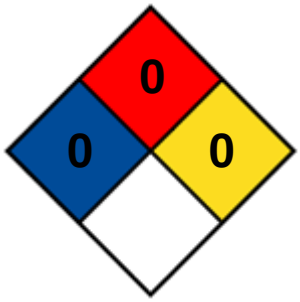
SECTION I
PRODUCT IDENTIFICATION & SUPPLIER

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

SECTION 2
HAZARD IDENTIFICATION

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

NFPA



HMIS

SECTION 3
COMPOSITION/INGREDIENT INFORMATION

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

SECTION 4
FIRST AID MEASURES

Medical Conditions Generally Aggravated by Exposure: Unknown

Emergency and First Aid Procedures:

EYE CONTACT:	**Immediately flush eyes in clear running water. If irritation results and persists, GET MEDICAL ATTENTION.**
SKIN CONTACT:	**Rinse with warm water. If irritation results and persists, apply skin lotion.**
INGESTION:	**Immediately drink large quantities of water. Avoid alcohol. Do not administer fluids to an unconscious person. Do not induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.**
INHALATION:	**Remove victim to fresh air. If breathing does not return to normal, seek medical advice.**

SECTION 5
FIRE FIGHTING MEASURES

Flash Point (Method Used): **None** **Flammable Limits: LEL: N/A UEL: N/A**
Extinguishing Media: **As appropriate to surrounding fire.**
Special Fire Fighting Procedures: **As appropriate to surrounding fire.**
Unusual Fire and Explosion Hazards: **None.**

SECTION 6
ACCIDENTAL RELEASE MEASURES

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

SMALL SPILLS: Flush to sanitary sewer.

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

SECTION 7
HANDLING & STORAGE

Precautions to Be Taken in Handling and Storing: Do not freeze. Keep container closed when not in use.

Other Precautions: KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN.

SECTION 8
EXPOSURE CONTROL/PERSONAL PROTECTION

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

Ventilation: Not required.

Protective Gloves: Not required

Eye Protection: Not required.

Other Protective Clothing or Equipment: As required for sanitary purposes.

Work/Hygienic Practices: Normal hygiene practices. Wash hands before eating, drinking, smoking or using bathroom facilities. Use good housekeeping practices.

SECTION 9
PHYSICAL & CHEMICAL PROPERTIES

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

SECTION 10
STABILITY & REACTIVITY

Stability: STABLE.

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

Hazardous Decomposition or Byproducts: None.

Hazardous Polymerization: Will Not Occur

SECTION 11
TOXOLOGICAL INFORMATION

Route(s) of Entry: Inhalation? No Skin? Yes Ingestion? Yes Eyes? Yes

Health Hazards (Acute and Chronic): None known.

Carcinogenicity:

NTP? Ingredients not listed.

IARC Monographs? Ingredients not listed.

OSHA Regulated? Ingredients not listed.

Signs and Symptoms of Exposure:

INHALATION: Not an expected route of exposure.

INGESTION: May cause gastric distress, and diarrhea

SKIN CONTACT: Not irritating.

EYE CONTACT: Not irritating. May cause burning sensation, tearing.

SECTION 12
ECOLOGICAL INFORMATION

ECOTOXICITY: No data available. Not considered toxic to marine or terrestrial plants or annimals

PERSISTANCE & BIODIGRADABILITY: Surface active components meet biodegradibility standards

OTHER ECOLOGICAL DATE: None available

SECTION 13
DISPOSAL CONSIDERATIONS

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

WASTE DISPOSAL METHODS: DISPOSE OF IN AN AUTHORIZED WASTE FACILITY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 14
TRANSPORT INFORMATION

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

DOT HAZARD LABEL: NONE

SECTION 15
REGULATORY INFORMATION

SARA TITLE III REPORTING REQUIREMENTS

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

SECTION 16
OTHER INFORMATION

ADDITIONAL INFORMATION

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

REFERENCES

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

PERMISSIBLE EXPOSURE REFERENCES:

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

REGULATORY STANDARDS:

DOT TITLE 49 CODE OF FEDERAL REGULATIONS 172.101
SARA TITLE III

NUCLEAR REGULATORY AGENCY

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

DOT HAZARD LABEL: NONE

DATE REVISED: NOVEMBER 11, 2013

NAME OF PREPARER: CLIFFORD M. CANTRELL

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

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

Chemsico
Division of United Industries Corp.
P.O. Box 142642
St. Louis, MO 63114-0642

Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

Hazardous Material Identification System-(HMIS)	
HEALTH - 1	REACTIVITY - 0
FLAMMABILITY - 2	PERSONAL -

I Trade Name: GreenThumb Home & Garden Bug Killer

Product Type: Aerosol Insecticide

Product Item Number: 596726 **Formula Code Number: 21-0599/21-0600**

EPA Registration Number	Manufacturer	Emergency Telephone No.
46515-48-9688	Chemsico 8494 Chapin Industrial Dr. St. Louis, MO 63114	For Chemical Emergency: 1-800-633-2873 For Information: 1-800-332-5553 Prepared by: C.A. Duckworth Date Prepared: October 22, 2004

II Hazardous Ingredients/Identity Information

Chemical	%	OSHA PEL	ACGIH TLV
Mineral Spirits CAS #8012-95-1	4.0	100 ppm	100 ppm
d-trans Allethrin CAS #28434-00-6	0.25	NA	NA
Permethrin CAS #52645-53-1	0.15	NA	NA
Hydrocarbon propellant Blend	14.0	NE	NE

III Physical and Chemical Characteristics

Appearance and Odor: Solid fan mist. No significant residue. Fragrance and pyrethroid odor.

Boiling Point: NA
Melting Point: NA
Vapor Pressure: 120 psig @ 54°C/130°F
Specific Gravity: 0.97 (H_2O=1)
Vapor Density: greater than 1 (Air=1)
% Volatile (by vol.): 99%
Solubility in Water: greater than 65%
Evaporation Rate: less than 1 (Butyl Acetate=1)

IV Fire and Explosion Hazard Data

Flash Point: 147°F (TCC)
Flame Extension: 0" (Level 1 Aerosol)
Flammable Limits: N/A
Autoignition Temp.: N/A
Fire Extinguishing Media: Water Fog, Carbon Dioxide, Dry Chemical
Decomposition Temp.: N/A
Special Fire-Fighting Procedures: Keep containers cool. Use equipment or shielding required protecting personnel against bursting, rupturing or venting containers.
Unusual Fire and Explosion Hazards: At elevated temperatures (over 54°C/130°F), containers may vent, rupture or burst. Also see Section V.

V Reactivity Data

Stability: Stable
Polymerization: Will not occur
Conditions to Avoid: Temperatures over 130°F
Incompatible Materials: N/A
Hazardous Decomposition or Byproducts: Carbon dioxide, carbon monoxide

VI Health Hazard Data

Ingestion (Swallowing): Avoid contamination of feed or foodstuffs. **First Aid:** Call physician or Poison Control Center immediately.
Skin Contact: Harmful if absorbed through skin. **First Aid:** Wash with plenty of soap and warm water. Get medical attention if irritation persists.
Eye Contact: Avoid contact with eyes. **First Aid:** Flush with plenty of water. Get medical attention if irritation persists.
Special Notes: None
Health Conditions Aggravated by Exposure: None Known
Ingredients listed by NTP, OSHA or IARC as Carcinogens or potential carcinogens: None

VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Avoid breathing vapors. Remove ignition sources. Avoid skin contact with liquid.
Waste Disposal: Do not puncture or incinerate containers. Give empty, leaking or full containers to a facility qualified to dispose of pressurized containers.
Handling & Storage Precautions: Do not store where temperatures can exceed 54°C/130°F.

VIII Control Measures

Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.

IX Transportation Data

DOT: Consumer Commodity, Hazard Class ORM-D (Limited Quantity Exception)
IMDG: Aerosols (Maximum 1 Liter), Hazard Class 2, UN-1950, Packing Group III
IATA: Aerosols, Flammable, Containing Substances in Division 6.1, Packing Group III (Each Not Exceeding 1 Liter Capacity), Hazard Class 2.1, UN-1950, Packing Group III

The information and statements herein are believed to be reliable but are not to be construed as warranty or representation for which

SAFETY DATA SHEET

2519

Section 1. Identification

Product name : KRYLON® Fusion for Plastic®
Flat Black

Product code : 2519

Other means of identification : Not available.

Product type : Aerosol.

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

Not applicable.

Manufacturer : Krylon Products Group
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (216) 566-2917
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

Product Information Telephone Number : US / Canada: (800) 457-9566
Mexico: Not Available

Regulatory Information Telephone Number : US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (216) 566-2917
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

Section 2. Hazards identification

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

Classification of the substance or mixture : FLAMMABLE AEROSOLS - Category 1
GASES UNDER PRESSURE - Compressed gas
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1
ASPIRATION HAZARD - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 35.7%
Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 66.6%
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 71.2%

GHS label elements

Hazard pictograms :

Signal word : Danger

Section 2. Hazards identification

Hazard statements : Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye irritation.
Causes skin irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
May be fatal if swallowed and enters airways.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Causes damage to organs through prolonged or repeated exposure. (lungs)

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area. Do not breathe dust or mist. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Pressurized container: Do not pierce or burn, even after use.

Response : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Please refer to the SDS for additional information. Keep out of reach of children. Keep upright in a cool, dry place. Do not discard empty can in trash compactor.

Hazards not otherwise classified : DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Section 3. Composition/information on ingredients

Ingredient name	% by weight	CAS number
Acetone	29.15	67-64-1
Propane	20.4	74-98-6
n-Butyl Acetate	14.28	123-86-4
Butane	9.6	106-97-8
Talc	7.34	14807-96-6
Lt. Aliphatic Hydrocarbon Solvent	5.71	64742-89-8
Ethyl 3-Ethoxypropionate	1.7	763-69-9
Xylene	1.59	1330-20-7
Carbon Black	0.56	1333-86-4
Ethylbenzene	0.45	100-41-4
Unsaturated Fatty Acids	0.23	

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 and hence require reporting in this section.

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

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. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

Section 4. First aid measures

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : Adverse symptoms may include the following:
nausea or vomiting

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. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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 : Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized 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. Use spark-proof tools and explosion-proof equipment. 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. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. 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. Contaminated absorbent material may pose the same hazard as the spilled product. 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). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.

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 away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	Exposure limits
Acetone	**ACGIH TLV (United States, 3/2016).** TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. **NIOSH REL (United States, 10/2016).** TWA: 250 ppm 10 hours. TWA: 590 mg/m³ 10 hours. **OSHA PEL (United States, 6/2016).** TWA: 1000 ppm 8 hours. TWA: 2400 mg/m³ 8 hours.
Propane	**NIOSH REL (United States, 10/2016).** TWA: 1000 ppm 10 hours. TWA: 1800 mg/m³ 10 hours. **OSHA PEL (United States, 6/2016).** TWA: 1000 ppm 8 hours. TWA: 1800 mg/m³ 8 hours.
n-Butyl Acetate	**NIOSH REL (United States, 10/2016).** TWA: 150 ppm 10 hours. TWA: 710 mg/m³ 10 hours. STEL: 200 ppm 15 minutes. STEL: 950 mg/m³ 15 minutes. **OSHA PEL (United States, 6/2016).** TWA: 150 ppm 8 hours. TWA: 710 mg/m³ 8 hours. **ACGIH TLV (United States, 3/2016).** STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours.
Butane	**NIOSH REL (United States, 10/2016).** TWA: 800 ppm 10 hours. TWA: 1900 mg/m³ 10 hours. **ACGIH TLV (United States, 3/2016).** STEL: 1000 ppm 15 minutes.
Talc	**NIOSH REL (United States, 10/2016).** TWA: 2 mg/m³ 10 hours. Form: Respirable fraction **ACGIH TLV (United States, 3/2016).** TWA: 2 mg/m³ 8 hours. Form: Respirable fraction
Lt. Aliphatic Hydrocarbon Solvent	None.
Ethyl 3-Ethoxypropionate	None.
Xylene	**ACGIH TLV (United States, 3/2016).** TWA: 100 ppm 8 hours. TWA: 434 mg/m³ 8 hours. STEL: 150 ppm 15 minutes. STEL: 651 mg/m³ 15 minutes. **OSHA PEL (United States, 6/2016).** TWA: 100 ppm 8 hours. TWA: 435 mg/m³ 8 hours.
Carbon Black	**NIOSH REL (United States, 10/2016).** TWA: 3.5 mg/m³ 10 hours. TWA: 0.1 mg of PAHs/cm³ 10 hours. **OSHA PEL (United States, 6/2016).** TWA: 3.5 mg/m³ 8 hours. **ACGIH TLV (United States, 3/2016).** TWA: 3 mg/m³ 8 hours. Form: Inhalable fraction
Ethylbenzene	**ACGIH TLV (United States, 3/2016).**

	TWA: 20 ppm 8 hours. **NIOSH REL (United States, 10/2016).** TWA: 100 ppm 10 hours. TWA: 435 mg/m³ 10 hours. STEL: 125 ppm 15 minutes. STEL: 545 mg/m³ 15 minutes. **OSHA PEL (United States, 6/2016).** TWA: 100 ppm 8 hours. TWA: 435 mg/m³ 8 hours.
Unsaturated Fatty Acids	None.

Occupational exposure limits (Canada)

Ingredient name	Exposure limits
Acetone	**CA Alberta Provincial (Canada, 4/2009).** 8 hrs OEL: 1200 mg/m³ 8 hours. 15 min OEL: 1800 mg/m³ 15 minutes. 8 hrs OEL: 500 ppm 8 hours. 15 min OEL: 750 ppm 15 minutes. **CA British Columbia Provincial (Canada, 7/2016).** TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. **CA Ontario Provincial (Canada, 7/2015).** TWA: 500 ppm 8 hours. STEL: 750 ppm 15 minutes. **CA Québec Provincial (Canada, 1/2014).** TWAEV: 500 ppm 8 hours. TWAEV: 1190 mg/m³ 8 hours. STEV: 1000 ppm 15 minutes. STEV: 2380 mg/m³ 15 minutes. **CA Saskatchewan Provincial (Canada, 7/2013).** STEL: 750 ppm 15 minutes. TWA: 500 ppm 8 hours.
Propane	**CA Alberta Provincial (Canada, 4/2009).** 8 hrs OEL: 1000 ppm 8 hours. **CA British Columbia Provincial (Canada, 7/2016).** TWA: 1000 ppm 8 hours. **CA Québec Provincial (Canada, 1/2014).** TWAEV: 1000 ppm 8 hours. TWAEV: 1800 mg/m³ 8 hours. **CA Ontario Provincial (Canada, 7/2015).** TWA: 1000 ppm 8 hours. **CA Saskatchewan Provincial (Canada, 7/2013).** STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours.
n-Butyl Acetate	**CA Alberta Provincial (Canada, 4/2009).** 15 min OEL: 200 ppm 15 minutes. 15 min OEL: 950 mg/m³ 15 minutes. 8 hrs OEL: 150 ppm 8 hours. 8 hrs OEL: 713 mg/m³ 8 hours. **CA British Columbia Provincial (Canada, 7/2016).** TWA: 20 ppm 8 hours. **CA Ontario Provincial (Canada, 7/2015).** TWA: 150 ppm 8 hours. STEL: 200 ppm 15 minutes. **CA Québec Provincial (Canada, 1/2014).**

	TWAEV: 150 ppm 8 hours. TWAEV: 713 mg/m³ 8 hours. STEV: 200 ppm 15 minutes. STEV: 950 mg/m³ 15 minutes. **CA Saskatchewan Provincial (Canada, 7/2013).** STEL: 200 ppm 15 minutes. TWA: 150 ppm 8 hours.
Butane	**CA Alberta Provincial (Canada, 4/2009).** 8 hrs OEL: 1000 ppm 8 hours. **CA British Columbia Provincial (Canada, 7/2016).** TWA: 600 ppm 8 hours. STEL: 750 ppm 15 minutes. **CA Québec Provincial (Canada, 1/2014).** TWAEV: 800 ppm 8 hours. TWAEV: 1900 mg/m³ 8 hours. **CA Ontario Provincial (Canada, 7/2015).** TWA: 800 ppm 8 hours. **CA Saskatchewan Provincial (Canada, 7/2013).** STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours.
Xylene	**CA Alberta Provincial (Canada, 4/2009).** 8 hrs OEL: 100 ppm 8 hours. 15 min OEL: 651 mg/m³ 15 minutes. 15 min OEL: 150 ppm 15 minutes. 8 hrs OEL: 434 mg/m³ 8 hours. **CA British Columbia Provincial (Canada, 7/2016).** TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. **CA Québec Provincial (Canada, 1/2014).** TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m³ 8 hours. STEV: 150 ppm 15 minutes. STEV: 651 mg/m³ 15 minutes. **CA Ontario Provincial (Canada, 7/2015).** STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours. **CA Saskatchewan Provincial (Canada, 7/2013).** STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.
Ethylbenzene	**CA Alberta Provincial (Canada, 4/2009).** 8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m³ 8 hours. 15 min OEL: 543 mg/m³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. **CA British Columbia Provincial (Canada, 7/2016).** TWA: 20 ppm 8 hours. **CA Ontario Provincial (Canada, 7/2015).** TWA: 20 ppm 8 hours. **CA Québec Provincial (Canada, 1/2014).** TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m³ 8 hours. STEV: 125 ppm 15 minutes. STEV: 543 mg/m³ 15 minutes. **CA Saskatchewan Provincial (Canada, 7/2013).**

	STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours.

Occupational exposure limits (Mexico)

Ingredient name	Exposure limits
Acetone	**NOM-010-STPS-2014 (Mexico, 4/2016).** TWA: 500 ppm 8 hours. STEL: 750 ppm 15 minutes.
Propane	**NOM-010-STPS-2014 (Mexico, 4/2016).** TWA: 1000 ppm 8 hours.
n-Butyl Acetate	**NOM-010-STPS-2014 (Mexico, 4/2016).** TWA: 150 ppm 8 hours. STEL: 200 ppm 15 minutes.
Butane	**NOM-010-STPS-2014 (Mexico, 4/2016).** TWA: 1000 ppm 8 hours.
Xylene	**NOM-010-STPS-2014 (Mexico, 4/2016).** STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.
Ethylbenzene	**NOM-010-STPS-2014 (Mexico, 4/2016).** TWA: 20 ppm 8 hours.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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

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. Contaminated work clothing should not be allowed out of the workplace. 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: chemical splash goggles.

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

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.

Section 8. Exposure controls/personal protection

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid.

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : 7

Melting point : Not available.

Boiling point : Not available.

Flash point : Closed cup: -29°C (-20.2°F) [Pensky-Martens Closed Cup]

Evaporation rate : 5.6 (butyl acetate = 1)

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits : Lower: 0.9%
Upper: 12.8%

Vapor pressure : 101.3 kPa (760 mm Hg) [at 20°C]

Vapor density : 1.55 [Air = 1]

Relative density : 0.75

Solubility : Not available.

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): <0.205 cm^2/s (<20.5 cSt)

Molecular weight : Not applicable.

Aerosol product

Type of aerosol : Spray

Heat of combustion : 28.933 kJ/g

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 : Avoid all possible sources of ignition (spark or flame).

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
Acetone	LD50 Oral	Rat	5800 mg/kg	-
n-Butyl Acetate	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10768 mg/kg	-
Butane	LC50 Inhalation Vapor	Rat	658000 mg/m³	4 hours
Ethyl 3-Ethoxypropionate	LD50 Oral	Rat	3200 mg/kg	-
Xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
Carbon Black	LD50 Oral	Rat	>15400 mg/kg	-
Ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Acetone	Eyes - Mild irritant	Human	-	186300 parts per million	-
	Eyes - Mild irritant	Rabbit	-	10 microliters	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Eyes - Severe irritant	Rabbit	-	20 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	395 milligrams	-
n-Butyl Acetate	Eyes - Moderate irritant	Rabbit	-	100 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
Talc	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-
Ethyl 3-Ethoxypropionate	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Xylene	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	100 Percent	-
Ethylbenzene	Eyes - Severe irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
Talc	-	3	-
Xylene	-	3	-
Carbon Black	-	2B	-
Ethylbenzene	-	2B	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Acetone	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Propane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
n-Butyl Acetate	Category 3	Not applicable.	Narcotic effects
Butane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Lt. Aliphatic Hydrocarbon Solvent	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Xylene	Category 3	Not applicable.	Respiratory tract irritation
Ethylbenzene	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Acetone	Category 2	Not determined	Not determined
Propane	Category 2	Not determined	Not determined
Butane	Category 2	Not determined	Not determined
Talc	Category 1	Inhalation	lungs
Lt. Aliphatic Hydrocarbon Solvent	Category 2	Not determined	Not determined
Xylene	Category 2	Not determined	Not determined
Ethylbenzene	Category 2	Not determined	Not determined

Aspiration hazard

Name	Result
Propane	ASPIRATION HAZARD - Category 1
Butane	ASPIRATION HAZARD - Category 1
Lt. Aliphatic Hydrocarbon Solvent	ASPIRATION HAZARD - Category 1
Xylene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : Adverse symptoms may include the following:
nausea or vomiting

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.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

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
Oral	71426.5 mg/kg
Dermal	23190.5 mg/kg
Inhalation (gases)	90653.4 ppm

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Acetone	Acute EC50 7200000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute LC50 6000000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 6900 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5600 ppm Fresh water	Fish - Poecilia reticulata	96 hours
	Chronic NOEC 4.95 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0.1 ml/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days
	Chronic NOEC 0.1 mg/l Fresh water	Fish - Fundulus heteroclitus	4 weeks
n-Butyl Acetate	Acute LC50 32 mg/l Marine water	Crustaceans - Artemia salina	48 hours
	Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Lt. Aliphatic Hydrocarbon Solvent	Acute LC50 >100000 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
Xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Ethylbenzene	Acute EC50 4600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 3600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6530 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 2930 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Acetone	-	-	Readily
n-Butyl Acetate	-	-	Readily
Xylene	-	-	Readily
Ethylbenzene	-	-	Readily

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Lt. Aliphatic Hydrocarbon Solvent	-	10 to 2500	high
Xylene	-	8.1 to 25.9	low

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

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. Do not puncture or incinerate container.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	UN1950	UN1950	UN1950	UN1950	UN1950
UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable	AEROSOLS
Transport hazard class(es)	2.1 	2.1 	2.1 	2.1 	2.1 
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	- **ERG No.** 126	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2. 13-2.17 (Class 2). **ERG No.** 126	- **ERG No.** 126	-	**Emergency schedules** F-D, S-U

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Proper shipping name : Not available.

Ship type : Not available.

Pollution category : Not available.

Section 15. Regulatory information

SARA 313

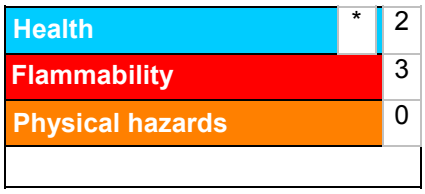
SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
FLAMMABLE AEROSOLS - Category 1	On basis of test data
GASES UNDER PRESSURE - Compressed gas	Calculation method
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1	Calculation method
ASPIRATION HAZARD - Category 1	Calculation method

History

Date of printing : 1/15/2018

Date of issue/Date of revision : 1/15/2018

Date of previous issue : 10/10/2017

Version : 7

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
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Notice to reader

Section 16. Other information

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

Mean Green Super Strength Cleaner & Degreaser

Material Safety Data Sheet

Manufacturer CR Brands, Inc. PO Box 2708, Spartanburg, SC 29304 864-587-9308
Preparation Date October, 2012
Product Name Mean Green Super Strength Cleaner & Degreaser
Product Description A detergent compound containing builders, 2-butoxyethanol, surfactant, and water.
UPC # (32 oz.) 7-20547-00100-0
(40 oz.) 7-20547-00140-6
(Gal.) 7-20547-00101-7

Section I- Hazardous Ingredients

Hazardous Ingredients	ACGIH TLV	OSHA PEL	CAS#	%
2-butoxyethanol	25ppm skin	50ppm skin	111-76-2	2.0-7.0
Tetrasodium EDTA	None established		64-02-8	1.0-5.0

Section II - Physical Data

ph	11.8 - 12.2	Boiling Point	N/D
Vapor Pressure	N/D	Melting Point	N/A
Solubility In Water	Complete	Evap. Rate (Ether=1)	<1
Appearance and Odor	Clear green liquid with mild odor		

Section III- Fire and Explosion Hazard Data

Flash Point None
Flammable Limits LFL N/A UFL N/A
Extinguishing Media This material is not flammable. Use extinguisher suitable for surrounding fire, e.g., water fog, CO_2, dry chemicals foam.
Special Fire Fighting Procedures: Fire Fighters should wear full protective clothing and breathing apparatus.
Unusual Fire and Explosion Hazards: None Known

Section IV- Reactivity

Stability Stable at ambient temperature and pressures.
Conditions to Avoid None Known
Incompatibility (Materials to Avoid) Strong Oxidizing agents, bleaches, strong acids
Hazardous Decomposition Products : As with any organic compound, burning of product can generate carbon dioxide and/or carbon monoxide.
Hazardous Polymerization Will not occur.

Section V- Health Hazard Data

Mean Green is formulated to be used full strength on difficult jobs or diluted with water for normal jobs. If product is used full strength the following precautions should be taken if performing large jobs. (sections 5,6,7,8)

Route(s) of Entry Inhalation, Ingestion, skin and eye contact.
Eyes (acute) Contact causes irritation. Avoid prolonged contact.
Skin (acute) Contact can irritate the skin. Prolonged contact can cause skin irritation.
Inhalation Exposure to mists may cause irritation
Ingestion Can cause irritation of the mouth, throat, and digestive tract.
Skin Absorption Glycol ether is absorbed through the skin and over exposure may cause systemic effects such as headache, dizziness, and nausea.
Carcinogenicity: NTP?- No; IARC Monographs? -No OSHA Regulated- Yes,(butoxyethanol)
Medical Conditions Generally Aggravated by Exposure: Persons with impaired pulmonary function may be at increased risk of exposure

Mean Green Super Strength Cleaner & Degreaser
MSDS page 2

Section VI- Emergency and First Aid Procedures

Eye Contact Immediately rinse with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Obtain medical attention.

Skin Contact Remove all contaminated clothing. Flush contaminated skin with large quantities of water. Obtain medical attention if irritation persists. Launder clothing before reuse.

Inhalation Move to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration.

Ingestion Drink plenty of water. Consult physician if necessary.

Section VII- Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:
In case of any spill consult local, state, or EPA regulations authorities for guidelines.

Section VIII- Control Measures When Product is Used Full Strength on Large Tasks & Overhead

Respiratory Protection None normally required.
Ventilation Provide ventilation (general and or local exhaust) to maintain exposure below TLV.
Eye Protection Safety glasses with side shields or chemical safety goggles.
Skin Protection Chemical resistant apron. Impervious clothing, rubber gloves.
Other Protective Clothing or Equipment Safety shower and eye wash station.

N/D= Not Determined
N/A= Not Applicable
This information is provided as a customer service and to the best of our knowledge is current and accurate. It's user's obligation to determine the conditions of safe use of the product.

Section IX- Other Regulatory Information

A. Mean Green Super Strength Cleaner & Degreaser HMIS
Health 2
Flammability 0
Reactivity 1
Personal Protection B
Density- 1.015

B. VOC Content 4.1%

C. SARA 313 Supplier Notification
This product contains the following toxic chemicals subject to the reporting requirements if section 313 of the Emergency Planning and Community Right- to-know Act of 1986 (40 CFR 372)

CAS#: 111-76-2 Chemical name: 2-butoxyethanol % by weight: 4.0

D. State right to know: NJ, PA, MA

Water	**7732-18-5**
2-butoxyethanol	**111-76-2**
Ethoxylated alcohol	**9016-45-9**
Tetrasodium ethylenediamine tetraacetate	**64-02-8**
Sodium Silicate	**1344-09-8**

E. This product may contain the following material in excess of threshold limits listed in California Proposition 65 as a potential carcinogen:
Ethylene oxide CAS# 75218

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 10/20/2000

MSDS No: 7030

Ortho® Flying Insect Killer

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Ortho® Flying Insect Killer
PRODUCT DESCRIPTION: Insecticide (Aerosol)

MANUFACTURER

The ORTHO Group
P.O. Box 1749
Columbus, OH 43216

24 HR. EMERGENCY TELEPHONE NUMBERS

Emergency Phone: 1-800-225-2883

EPA REG. NO.: 239-2512C **PN:** 1000-079

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS#
D-Trans Allethrin, d-trans allethrin (allyl homolog of cinerin 1)	0.3	584-79-2
Phenothrin	0.2	26002-80-2
INERT INGREDIENTS	~99.49	

``Inert Ingredients'' is a term defined by the U.S. Environmental Protection Agency under the Federal Insecticide, Fungicide, and Rodenticide Act (40 CFR 158.153). It refers to any substance, other than an active ingredient, which is intentionally added to a pesticide product. Some inert ingredients may be hazardous chemicals, as defined by the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). The hazards associated with these inert ingredients have been included in this document.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: White, creamy smooth liquid in aerosol container

IMMEDIATE CONCERNS: - HARMFUL IF SWALLOWED
- HARMFUL IF ABSORBED THROUGH THE SKIN
- AVOID CONTACT WITH EYES, SKIN OR CLOTHING
- AVOID BREATHING VAPOR OR SPRAY MIST
- EXTREMELY FLAMMABLE
- KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYES: This substance is slightly irritating to the eyes. Eye contact may include discomfort, tearing, redness, swelling, and blurred vision. See Toxicological Information, section 11.

SKIN: This substance is not expected to cause prolonged or significant skin irritation. If absorbed through the skin, this substance is considered practically non-toxic to internal organs.

INGESTION: If swallowed, this substance is considered practically non-toxic to internal organs. Because of the low viscosity of this substance, it can directly enter the lungs if it is swallowed (this is called aspiration). This can occur during the act of swallowing or when vomiting the substance. Once in the lungs, the substance is very difficult to remove and can cause severe injury to the lungs and death.

INHALATION: If inhaled, this substance is considered practically non-toxic to internal organs. Breathing the vapor may be irritating to the respiratory tract.

PHYSICAL HAZARDS: Contents under pressure.

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4. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: If on skin or clothing, take of contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment

advice.

INGESTION: If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Never give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN: This material contains light hydrocarbon liquid and an aspiration hazard may exist.

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5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: N.F.P.A (Code 30B) Level I Aerosol

EXTINGUISHING MEDIA: CO2, Dry Chemical, Foam and Water Fog.

HAZARDOUS COMBUSTION PRODUCTS: No data available.

FIRE FIGHTING PROCEDURES: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Keep containers cool with a water spray. Read the entire document.

FLASHPOINT: Flash Point for concentrate = 118ø F

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6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Soak up spilled material with paper towels or other absorbent material and discard in trash. Product is highly flammable. Keep all sources of ignition away from spill.

LARGE SPILL: Eliminate all sources of ignition in vicinity of spill or released vapor.

Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgite, bentonite or other absorbent material. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions

provided under Section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water.

For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instructions.

Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of.

Do not contaminate water, foodstuffs or feed by storage or disposal.

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7. HANDLING AND STORAGE

GENERAL PROCEDURES: READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. Store in accordance with NFPA 30B for a Level I aerosol. DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. CONTAINER UNDER PRESSURE. Exposure to heat or prolonged exposure to sun may cause container to burst. Do not puncture, incinerate or store above 130°F.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use this material only in well ventilated areas.

PERSONAL PROTECTION

EYES AND FACE: Do not get this material in your eyes. Eye contact can be avoided by wearing chemical goggles.

SKIN: Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including chemical resistant gloves.

RESPIRATORY: Handling of the product is not likely to present an airborne exposure concern during normal handling. In the event of an accidential discharge of the material during manufacture or handling which produces a heavy mist, workers should put on respiratory protection equipment. Consult respirator manufacturer to determine appropriate type of equipment. Observe respirator use limitations specified by NIOSH MSHA or the manufacturer.

For application of product in accordance with label instructions, no special respiratory protection is required.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

		EXPOSURE LIMITS		
Chemical Name		**OSHA PEL**	**ACGIH TLV**	**ACGIH STEL**
Aromatic Hydrocarbon		100 ppm	100 ppm	150 ppm
Propane/Isobutane	(Asphyxiant)	1800 mg/m3	None	None
Hydrotreated Heavy Naphtha		None	None	None
Coconut Fatty Acid Diethanolamide		None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Aerosol

APPEARANCE: Opaque white liquid emulsion in aerosol canister

PERCENT VOLATILE: No Data Available

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: No data Available

SOLUBILITY IN WATER: Nondispersible in water

SPECIFIC GRAVITY: 0.944 gr/cc at 20°C

VISCOSITY: ~100 to 3000cps (Brookfield)

COMMENTS:

pH: 6.4 (For a 1% Solution)

DENSITY: 8 lb/gal

10. STABILITY AND REACTIVITY

STABLE: NO
HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Heat and acidic or alkaline conditions may cause this product to break down. Contact with strong oxidizers may produce an explosive mixture.

HAZARDOUS DECOMPOSITION: No Data Available

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Found to be moderately irritating to rabbit eyes; irritation cleared by 24 hours. EPA FIFRA Toxicity Category - III.

DERMAL LD_{50}: Mild dermal irritation, EPA FIFRA Category III; No product toxicology data available for acute dermal LD50 determination.

ORAL LD_{50}: The oral LD50 (rats) is > 5 g/kg. EPA FIFRA Toxicity Category - IV.

INHALATION LC_{50}: The 4-hour acute inhalation LC50 in rats was >5 g/L air, EPA FIFRA Toxicity Category - IV.

SENSITIZATION: No product toxicology data available.

CARCINOGENICITY:

IARC: No

NTP: No

OSHA: No

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available.

ECOTOXICOLOGICAL INFORMATION: This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.

13. DISPOSAL CONSIDERATIONS

FOR LARGE SPILLS: Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State or local procedures.

PRODUCT DISPOSAL: If necessary to dispose of partially filled product container, securely wrap it in several layers of newspaper and discard in trash.

GENERAL COMMENTS: This container may be recycled in the few but growing number of communities where (steel) aerosol can recycling is available. Before offering for recycling, empty the can by using the product according to the label. (DO NOT PUNCTURE) If recycling is not available, wrap the container and discard in the trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: ORM-D

UN/NA NUMBER: NONE

PACKING GROUP: NO

U.S. SURFACE FREIGHT CLASS: NMFC NBR. 102120

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Consumer Commodity

SPECIAL SHIPPING NOTES: The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA				
ACUTE: YES	**CHRONIC:** NO	**FIRE:** YES	**REACTIVITY:** NO	**PRESSURE GENERATING:** YES

313 REPORTABLE INGREDIENTS: SUMITHRIN (CAS 7696-12-0). De Minimis Concentration for Section 313 is 1.0%.

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16. OTHER INFORMATION

HMIS CODES

FIRE: 4 **HEALTH:** 1 **REACTIVITY:** 0

HMIS RATINGS NOTES: HMIS rating includes hazards from propellent.

NFPA CODES

FIRE: 4 **HEALTH:** 1 **REACTIVITY:** 0

APPROVAL DATE: 11/02/2000

REVISION SUMMARY Revision #: 2

This MSDS replaces the October 27, 2000 MSDS. Any changes in information are as follows:
In Section 11
Acute Eye Dermal LD50 Oral LD50 Inhalation LC50 IARC Sensitization NTP OSHA

HMIS RATINGS NOTES: HMIS rating includes hazards from propellent.

MANUFACTURER DISCLAIMER: The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use

any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

MATERIAL SAFETY DATA SHEET
Poli-Kleen Wax Polish

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Poli-Kleen Wax Polish

Product Number: A00136

Product Use: Polishing wax.

Manufacturer/Supplier: Waxie Sanitary Supply
9353 Waxie Way
San Diego, CA 92193-1036

Phone Number: 1-800-995-4466

D.O.T. Emergency Phone: 1-800-255-3924 CHEMTEL 24 HR

Date of Preparation: August 29, 2012 **Revision #:** 2.0

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW **HMIS:** See Section 15

CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED. HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

Inhalation: May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

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

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Distillates (petroleum), hydrotreated light	64742-47-8	5 - 10
Isobutane	75-28-5	1 - 5
Propane	74-98-6	1 - 5
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	0.1 - 1
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	0.1 - 1

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Not flammable by OSHA criteria.

Means of Extinction:

Suitable Extinguishing Media: Powder, foam, carbon dioxide.

Unsuitable Extinguishing Media: Water.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

Environmental Precautions: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

Other Information: Not available.

Section 7: HANDLING AND STORAGE

Handling:
Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:
Keep out of the reach of children. Do not store at temperatures above 49 ℃ / 120 ℉.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

	Exposure Limits	
Ingredient	**OSHA-PEL**	**ACGIH-TLV**
Distillates (petroleum), hydrotreated light	100 ppm	200 mg/m³
Isobutane	Not available.	1000 ppm
Propane	1000 ppm	1000 ppm
Distillates (petroleum), hydrotreated light naphthenic	5 mg/m³ (mist)	5 mg/m³ (mist)
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m³ (mist)	5 mg/m³ (mist)

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

Personal Protective Equipment: **HMIS:** See Section 15

Eye/Face Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Opaque.
Colour:	White.
Odour:	Lemon.
Odour Threshold:	Not available.
Physical State:	Gas/Pressurized Liquid.
pH:	9-11
Viscosity:	Not available.
Freezing Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation Rate:	< 1 (Water = 1)
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.

Vapor Pressure:	Not available.
Vapor Density:	Not available.
Specific Gravity:	0.972 (Concentrate only)
Solubility in Water:	Not available.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	7.2% (US federal/CARB/OTC/LADCO)
VOC content, g/L:	Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Oxidizers.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD_{50} (oral)	LC_{50}
Distillates (petroleum), hydrotreated light	> 5000 mg/kg, rat	> 5.2 mg/L 4hr, rat
Isobutane	Not available.	658 mg/L 4hr, rat
Propane	Not available.	658 mg/L 4hr, rat
Distillates (petroleum), hydrotreated light naphthenic	> 5000 mg/kg, rat	2.18 mg/L 4hr, rat
Distillates (petroleum), hydrotreated heavy naphthenic	> 5000 mg/kg, rat	> 5.0 mg/L 4hr, rat

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Handling can cause dry skin.

Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

Inhalation: May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by OSHA criteria.

Carcinogenicity: Not hazardous by OSHA criteria.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen *
Distillates (petroleum), hydrotreated light	Not listed.
Isobutane	Not listed.
Propane	Not listed.
Distillates (petroleum), hydrotreated light naphthenic	Not listed.
Distillates (petroleum), hydrotreated heavy naphthenic	Not listed.

* See Section 15 for more information.

Mutagenicity: Not hazardous by OSHA criteria.

Reproductive Effects: Not hazardous by OSHA criteria.

Developmental Effects:

Teratogenicity: Not hazardous by OSHA criteria.

Embryotoxicity: Not hazardous by OSHA criteria.

Respiratory Sensitization: Not hazardous by OSHA criteria.

Skin Sensitization: Not hazardous by OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

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

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:
This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification
ORM-D, Limited Quantity

Section 15: REGULATORY INFORMATION

Federal Regulations

US: MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Distillates (petroleum), hydrotreated light	Not listed.	Not listed.	Not listed.	Not listed.
Isobutane	Not listed.	Not listed.	Not listed.	Not listed.
Propane	Not listed.	Not listed.	Not listed.	Not listed.
Distillates (petroleum), hydrotreated light naphthenic	Not listed.	Not listed.	Not listed.	Not listed.
Distillates (petroleum), hydrotreated heavy naphthenic	Not listed.	Not listed.	Not listed.	Not listed.

State Regulations

California Proposition 65:
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Global Inventories

Ingredient	USA TSCA
Distillates (petroleum), hydrotreated light	Yes.
Isobutane	Yes.
Propane	Yes.
Distillates (petroleum), hydrotreated light naphthenic	Yes.
Distillates (petroleum), hydrotreated heavy naphthenic	Yes.

HMIS - Hazardous Materials Identification System

Health - 2 **Flammability -** 2 **Physical Hazard -** 0 **PPE –** B

NFPA - National Fire Protection Association:

Health - 2 **Fire -** 2 **Reactivity -** 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.
A1 - Confirmed human carcinogen.
A2 - Suspected human carcinogen.
A3 - Animal carcinogen.
A4 - Not classifiable as a human carcinogen.
A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.
1 - The agent (mixture) is carcinogenic to humans.
2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.
1 - Known to be carcinogens.
2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

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

Prepared by: Nexreg Compliance Inc.
Prepared for: Waxie Sanitary Supply
1-800-995-4466

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration (Non-Mandatory Form)
Form Approved
OMB No. 12180072

IDENTITY (As used on label and list) **Purple Power Industrial Strength Cleaner/Degreaser**	Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I - Manufacturer

Manufacturer's Name: Aiken Chemical Company	Emergency Telephone Number 1-800-922-1117; (864) 765-7359
Address (Number, Street, City, State and Zip Code) P.O. Box 27147	Telephone Number for Information (864)968-1250; 1-800-828-1860
Greenville, SC 29616	Date Prepared: August 15, 2014 / Revision #: August 15, 2014
12 Shelter Drive, Greer, SC 29650	Signature of Preparer (Optional)

Section II – Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS	%
	NFPA	**HMIS**		
	2-1-O	2-1-O-C		

TSCA Information: All ingredients of this product are listed on the TSCA inventory.

Section III – Routes and Effects of Overexposure

SKIN: Can cause moderate irritation. Prolonged or repeated contact can cause de-fatting or dermatitis.

EYES: Can cause severe irritation. Can cause redness or tearing.

INGESTION: Harmful if swallowed. Can cause irritation to mouth, esophagus, and stomach.

INHALATION: Spray mist is irritating to respiratory tract.

Medical Conditions Generally Aggravated by Exposure:
Pre-existing skin and respiratory problems.

Section IV – Emergency and First Aid Procedures

SKIN: Remove contaminated clothing. Thoroughly wash exposed area with soap and water for at least 15 minutes. Seek medical attention immediately.

EYES: Remove contact lenses if present. Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower eyelids periodically to insure complete flushing. Seek medical attention immediately.

INGESTION: DO NOT induce vomiting. If conscious, dilute by giving 2-3 glasses of water. Seek medical attention immediately.

INHALATION: Remove individual to fresh air. If breathing has stopped, give artificial respiration. Seek medical attention immediately.

Section V – Fire-Fighting Measures

EXTINGUISHING MEDIA: Water fog, alcohol foam, carbon dioxide or dry chemical.
SPECIAL FIRE-FIGHTING MEDIA: Use water to keep fire-exposed containers cool until fire is out.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use a welding or cutting torch or other source of heat on or near chemical product containers.

Section VI – Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Stop spill at the source, dike area to prevent spreading. Remaining liquid may be taken up with sand, clay, floor absorbent, or other absorbent material and shoveled into salvage containers.

Waste Disposal Method: Dispose of in accordance with all local, state and federal regulations.

Other Precautions: Wear body-covering impervious protective clothing, chemical safety glasses with side shields and/or face shield, chemical resistant gloves and boots.

Section VII – Handling and Storage

Handling: General handling: avoid breathing vapor. Do not get in eyes, on skin or clothing. Do not swallow. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Keep away from reactive metals and acids. Gels and generates heat when mixed with acids. See Section VIII – Exposure Controls and Personal Protection.

Storage: Do not store in aluminum, copper, or galvanized containers. Separate from acids, reactive metals, and ammonium salts.

Other Precautions: Containers, even those that have been emptied, can contain product and vapors. Avoid contact with residual product.

Section VIII – Exposure Controls and Personal Protection

Respiratory Protection (Specify Type) To avoid breathing spray or vapors or when required, wear NIOSH/MSA approved respirator. Also use respirator if in a confined space without local or mechanical exhaust system.

Ventilation: Use adequate ventilation to avoid mists and vapors.	**Local Exhaust** Acceptable	**Special:** None
	Mechanical (General) To reduce exposure limits	**Other:** None

Protective Gloves Neoprene, Nitrile Rubber, Polyethylene	**Eye Protection** Chemical safety glasses with side shields and/or face shield

Other Protective Clothing or Equipment
To prevent skin contact, wear body-covering, impervious clothing, chemical resistant gloves and boots.

Work Hygienic Practices
Always use caution when working with chemicals. Wash hands before eating, smoking or drinking.

Section IX – Physical / Chemical Characteristics

Boiling Point:	>212° F	**Specific Gravity:**	1.020
Vapor Pressure (mm Hg.):	Not Determined	**Melting Point:**	NA
Vapor Density (AIR=1):	Not Determined	**Evaporation Rate (Butyl Acetate=1):**	<1.0
Solubility in Water:	Complete	**pH:**	11.2
Appearance and Odor:	Purple liquid with characteristic odor.	**LEL:** **UEL:**	Not Determined Not Determined
Flammable Limits:	Not Determined	**Flash Point (Method Used):**	>200° F (PMCC)

Section X – Reactivity Data

Stability:	**Unstable:**		**Conditions to Avoid:** Mixing or blending with oxidizing or low pH solutions
	Stable:	**X**	

Incompatibility (Materials to Avoid): Avoid contact with reactive metals, strong mineral acids and organic acids.

Hazardous Decomposition or Byproducts: Carbon dioxide, carbon monoxide, various hydrocarbons and can include aldehydes, ketones, organic acids and other organics.

Hazardous Polymenzation	**May Occur**		**Conditions to Avoid:** None
	Will Not Occur	**X**	

Section XI – Toxicological Information

Acute health hazard – similar materials caused severe irritation to the eyes and moderate irritation to the skin.

Section XII – Ecological Information

Not Determined

Section XIII – Transport Information, Including IMDG

PROPER SHIPPING NAME: Not D.O.T. Regulated

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

PLACARDING: N/A

IATA: N/A

Section XIV – Regulatory Information		
TSCA Status: All components are listed on the Toxic Substance Control Act Chemical Substances Inventory		
Section 311 Hazard Category - Acute		
Section 313 Toxic Release Inventory Chemical: Glycol ethers, 1% max		
California Safe Drinking Water Enforcement Act (Prop 65): This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.		
Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Special Hazardous Substances List and/or Pennsylvania Environmental hazardous Substance List: This material contains the following components that appear on the PA list:		
Component Ethylene glycol monobutyl ether	**CAS#** 111-76-2	**Amount** ≤1%
New Jersey Right-to-Know Hazardous Substance List: This material contains the following components that appear on the NJ list:		
Component Ethylene glycol monobutyl ether	**CAS#** 111-76-2	**Amount** ≤1%
Massachusetts Substance List: This material contains the following components that appear on the MA list:		
Component Ethylene glycol monobutyl ether	**CAS#** 111-76-2	**Amount** ≤1%

MATERIAL SAFETY DATA SHEET

07212-1214
02 00

DATE OF PREPARATION
Nov 29, 2011

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER
07212-1214
PRODUCT NAME
QUALITY CARE® Furniture Polish
MANUFACTURER'S NAME
Mfg. by:
Sherwin-Williams
Diversified Brands Division
Specialty Aerosols
101 Prospect Ave.
Cleveland, OH 44115

Telephone Numbers and Websites

Product Information	(800) 638-4852 www.specialtyaerosols.com
Regulatory Information	(216) 566-2902
Medical Emergency	(216) 566-2917
Transportation Emergency*	(800) 424-9300
**for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)*	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
5	**74-98-6**	**Propane**		
		ACGIH TLV	2500 PPM	760 mm
		OSHA PEL	1000 PPM	
5	**106-97-8**	**Butane**		
		ACGIH TLV	800 PPM	760 mm
		OSHA PEL	800 PPM	
3	**64742-48-9**	**Isoparaffinic HC Solvent**		
		ACGIH TLV	Not Available	1 mm
		OSHA PEL	Not Available	
3	**64742-47-8**	**Aliphatic Solvent**		
		ACGIH TLV	Not Available	0.1 mm
		OSHA PEL	Not Available	

SECTION 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE
INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.

HMIS Codes

Health	2
Flammability	2
Reactivity	0

EFFECTS OF OVEREXPOSURE
EYES: Irritation.
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.
SIGNS AND SYMPTOMS OF OVEREXPOSURE
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.
CANCER INFORMATION
For complete discussion of toxicology data refer to Section 11.

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL	EXTINGUISHING MEDIA
Propellant < 0 °F	1.3	9.8	Carbon Dioxide, Dry Chemical, Alcohol Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.
Application to hot surfaces requires special precautions.
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE

STORAGE CATEGORY

Not Available

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.
During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.
Wash hands after using.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

PROTECTIVE GLOVES

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

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

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	7.52 lb/gal	901 g/l
SPECIFIC GRAVITY	0.91	
BOILING POINT	<0 - 495 °F	<-18 - 257 °C
MELTING POINT	Not Available	
VOLATILE VOLUME	98%	
EVAPORATION RATE	Faster than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
pH	7.0	

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)

Volatile Weight 15.56% Less Water and Federally Exempt Solvents

SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

TOXICOLOGY DATA

CAS No.	Ingredient Name			
74-98-6	**Propane**			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
106-97-8	**Butane**			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
64742-48-9	**Isoparaffinic HC Solvent**			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
64742-47-8	**Aliphatic Solvent**			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

SECTION 12 — ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

US Ground (DOT)

May be classed as Consumer Commodity, ORM-D

UN1950, AEROSOLS, 2.2, LIMITED QUANTITY, (ERG#126)

Canada (TDG)

May be classed as Consumer Commodity, ORM-D
UN1950, AEROSOLS, CLASS 2.2, LIMITED QUANTITY, (ERG#126)

IMO

May be shipped as Limited Quantity
UN1950, AEROSOLS, CLASS 2.2, LIMITED QUANTITY, EmS F-D, S-U, ADR (D)

IATA/ICAO

UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, LIMITED QUANTITY

SECTION 15 — REGULATORY INFORMATION

SARA 313 *(40 CFR 372.65C)* SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

TSCA CERTIFICATION

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

SECTION 16 — OTHER INFORMATION

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

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

MATERIAL SAFETY DATA SHEET

Sparkle Glass & Surface Cleaner

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Sparkle Glass & Surface Cleaner
Product Number:	A00124
Product Use:	Cleaner.
Manufacturer/Supplier:	Waxie Sanitary Supply 9353 Waxie Way San Diego, CA 92193-1036
Phone Number:	Phone Number: 1-800-995-4466
D.O.T. Emergency Phone:	1-800-255-3924 CHEM TEL
Date of Preparation:	November 8, 2007 **Revision #:** 1.0

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW **HMIS:** See Section 15

CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.
CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

Inhalation: May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness. This product may be aspirated into the lungs and cause chemical pneumonitis.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

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

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Isobutane	75-28-5	1 - 5
Isopropanol	67-63-0	1 - 5
Propylene glycol mono-n-propyl ether	1569-01-3	1 - 5

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Not flammable by WHMIS/OSHA criteria.

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

Environmental Precautions: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

Other Information: Not available.

Section 7: HANDLING AND STORAGE

Handling:
Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using, do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:
Keep out of the reach of children. Keep container in a well-ventilated place. Do not store at temperatures above 49°C / 120°F.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

	Exposure Limits	
Ingredient	**OSHA-PEL**	**ACGIH-TLV**
Isobutane	Not available.	Not available.
Isopropanol	400 ppm	200 ppm
Propylene glycol mono-n-propyl ether	Not available.	Not available.

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

Personal Protective Equipment: **HMIS:** See Section 15

Eye/Face Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear.
Color:	Colorless to light yellow.
Odour:	Citrus.
Odour Threshold:	Not available.
Physical State:	Gas/Pressurized Liquid.
pH:	10-11
Viscosity:	Not available.
Freezing Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation Rate:	< 1 (Water = 1)
Lower Flammability Limit:	Not available.

Upper Flammability Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Specific Gravity:	0.995 (Concentrate only)
Solubility in Water:	Complete.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	9.1% (US federal/CARB/OTC/LADCO)

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Oxidizers.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Anaylsis

Ingredient	LD_{50} (oral)	LC_{50}
Isobutane	Not available.	Not available.
Isopropanol	5045 mg/kg, rat	16970 ppm 4 hrs, rat
Propylene glycol mono-n-propyl ether	2504 mg/kg, rat	Not available.

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Handling can cause dry skin.

Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

Inhalation: May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness. This product may be aspirated into the lungs and cause chemical pneumonitis.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS/OSHA criteria.

Carcinogenicity: Not hazardous by WHMIS/OSHA criteria.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen *
Isobutane	Not listed.
Isopropanol	G-A4
Propylene glycol mono-n-propyl ether	Not listed.

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS/OSHA criteria.

Reproductive Effects: Not hazardous by WHMIS/OSHA criteria.

Developmental Effects:

Teratogenicity: Not hazardous by WHMIS/OSHA criteria.

Embryotoxicity: Not hazardous by WHMIS/OSHA criteria.

Respiratory Sensitization: Not hazardous by WHMIS/OSHA criteria.

Skin Sensitization: Not hazardous by WHMIS/OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:
This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification
ORM-D

TDG Classification
Limited Quantity

Section 15: REGULATORY INFORMATION

Federal Regulations

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

US: MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Isobutane	Not listed.	Not listed.	Not listed.	Not listed.
Isopropanol	Not listed.	Not listed.	Not listed.	Yes.
Propylene glycol mono-n-propyl ether	Not listed.	Not listed.	Not listed.	Not listed.

State Regulations

California Proposition 65:
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Global Inventories

Ingredient	Canada DSL/NDSL	USA TSCA
Isobutane	DSL	Yes.
Isopropanol	DSL	Yes.
Propylene glycol mono-n-propyl ether	DSL	Yes.

HMIS - Hazardous Materials Identification System

Health - 1 **Flammability -** 1 **Physical Hazard -** 0 **PPE –** B

NFPA - National Fire Protection Association:

Health - 1 **Fire -** 1 **Reactivity -** 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):
Class A - Compressed Gas
Class D2B - Eye Irritant

WHMIS Hazard Symbols:

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.
A1 - Confirmed human carcinogen.
A2 - Suspected human carcinogen.
A3 - Animal carcinogen.
A4 - Not classifiable as a human carcinogen.
A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.
1 - The agent (mixture) is carcinogenic to humans.
2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.
1 - Known to be carcinogens.
2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

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

Expiry Date: November 8, 2010

Prepared by: Nexreg Compliance Inc.
Prepared for: Waxie Sanitary Supply
Phone Number: 1-800-995-4466

WAXIE SANITARY SUPPLY

Material Safety Data Sheet
OSHA's Hazard Communication Standard
U.S. Department of Labor

29 CFR 1910.1200

OMB No. 1218-0072

Identity # 320611; 320612 Name WAX BUSTER FLOOR STRIPPER

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- 5/1/1998

Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	Weight% (Optional)
Sodium Hydroxide	1310732	2MG/M3	2MG/M3	
2-Amino-Ethanol	141435	3PPM	3PPM	

Note:

VOC Content- 49.1 g/L

Section 3 - Physical/Chemical Characteristics

Boiling Point- >212 F
Vapor Pressure - Not Tested
Vapor Density - Not Tested
Solubility In Water- 100%
Appearance and Odor- RED/ORANGE ODOR

pH- 12.0-13.0
Specific Gravity- 1.018
Melting Point - Not Tested
Evaporation Rate - Not Tested

Section 4 - Fire and Explosion Hazard Data

Flash Point- None
Flammable Limits - Not Tested
LEL- Not Tested
UEL- Not Tested
DOT# NONE

NFPA Hazard Rating - (0- Least, 4- Extreme)	H	F	R	S	HMIS Hazard Rating -	H	F	R
	1	0	0	0		1	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, ammonia
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.

320611; 320612

Signs and symptons of over exposure:

Eyes - Burning Sensation

Skin- Irritant

Ingestion-Burning Irritation, Nausea

Inhalation- Dizziness, Headaches, Irritation

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- Get Person to Fresh Air If Unconscious, Call Physician

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 CRF 1910.134, is required.

Ventilation	Local Exhaust - If Available	Special - None
	Mechanical - If Available	Other - None

Protective Gloves- Plastic or Rubber, Chemical Resistant

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

MATERIAL SAFETY DATA SHEET

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

IDENTITY AND DISTRIBUTOR'S INFORMATION

NFPA Rating: Health-2; Flammability-3; Reactivity-0; Special--	**HMIS Rating:** Health-2; Flammability-3; Reactivity-0; Personal Protection-B
Manufactured For: WAXIE Enterprises, Inc. Address: P.O. Box 23506 Address: San Diego, CA 92193-3506	**DOT Hazard Classification:** ORM-D **Identity** (trade name as used on label): **Waxie Hospital Spray Surface Disinfectant**
Phone: 1-800-995-4466	**MSDS Number:** 223 Revision- 10
Emergency Response Number: 1-800-255-3924 **NOTICE:JUDGMENT BASED ON INDIRECT TEST DATA**	Date Prepared: 10/05/00 Prepared By: DL/IB Information Calls: 858-292-8111

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ETHANOL	64-17-5	No	1000	1000	d
SODIUM NITRITE	7632-00-0	No	N/E	N/E	d
AMMONIUM HYDROXIDE	1336-21-6	No	35	25	d
ISOBUTANE / PROPANE BLEND	75-28-5	No	800	800	d
	74-98-6	No	1000	1000	d
METHANOL	67-56-1	Yes	200	200	d
O-PHENYLPHENOL	90-43-7	Yes	NE	NE	e
WARNING: This product contains a chemical or chemicals known to the State of California to cause cancer.					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A	**Specific Gravity** (H2O=1): Concentrate Only = 0.880
Vapor Pressure: PSIG @ 70°F (Aerosols): Max.60	**Vapor Pressure** (Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density (Air = 1): N/E	**Evaporation Rate** (= 1): N/E
Solubility in Water: Soluble	**Water Reactive:** No

Appearance and Odor: Clear, colorless spray, light airy fragrance.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) NON-FLAMMABLE	Auto Ignition Temperature N/E	Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E

FLASH POINT AND METHOD USED (non-aerosols): N/A **SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus.	**EXTINGUISHER MEDIA:** Foam, dry chemical, carbon dioxide, water.

Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [ ] UNSTABLE	**HAZARDOUS POLYMERIZATION** [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Oxidants, reducing agents, ammonium salts.	**Conditions to Avoid:** Open flame, welding arcs, heat, sparks.

Hazardous Decomposition Products: CO, CO2.

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [X] INHALATION [ ] INGESTION [ ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS

ACUTE EFFECTS

Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.

Eye Contact: Mild irritation.	**Skin Contact:** Possible mild irritation.

Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea.

CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) Overexposure may cause kidney damage, liver abnormalities, brain damage.

Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.

Skin Contact: Wash with soap and water. If irritated, seek medical attention.

Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH in positive pressure mode.

Protective Gloves: Latex, if skin easily irritated.	**Eye Protection:** Safety glasses recommended.

Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.

Other Protective Clothing & Equipment: None

Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations.

Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.

Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources. Do not use on polished wood furniture or rayon fabrics.

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

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

Safety Data Sheet

1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company **Address: 9715 Business Park Ave** **San Diego, CA , USA** **Post code: 92131** **Telephone: +1-800-448-9340** **+1-858-251-5600** **24 Hour Emergency Phone Number:** **1-888-324-7596 (PROSAR)** **Chemical Spills:** **1-800-424-9300 (Chemtrec)** **1-703-527-3887 (International Calls)**	**Chemical Name: Organic Mixture** **Trade Name: WD-40 Aerosol** **Product Use: Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion** **SDS Date Of Preparation: 12/28/17**

2 – Hazards Identification

GHS Classification:
Flammable Aerosol Category 1
Aspiration Toxicity Category 1
Skin Irritation Category 3
Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)

DANGER!
H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated.
H304 May be fatal if swallowed and enters airways.
H316 Causes mild skin irritation.
H336 May cause drowsiness or dizziness.

Prevention
P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing mist or vapors.
P271 Use only outdoors or in a well-ventilated area.

Response
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 Do NOT induce vomiting.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.
P332+P313 If skin irritation occurs: Get medical attention.

Storage
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal
P501 Dispose of contents and container in accordance with local and national regulations.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	GHS Classification
Aliphatic Hydrocarbon	64742-47-8	50-70%	Flammable Liquid Category 3 Aspiration Toxicity Category 1 Skin Irritation Category 3 Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)
Petroleum Base Oil	64742-56-9 64742-65-0 64742-53-6 64742-54-7 64742-71-8	<25%	Not Hazardous
Non-Hazardous Ingredients	Mixture	<10%	Not Hazardous
Carbon Dioxide	124-38-9	2-3%	Gas Under Pressure: Compressed Gas

4 – First Aid Measures

Ingestion (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.
Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.
Skin Contact: Wash with soap and water. If irritation develops and persists, get medical attention.
Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.
Most Important Symptoms (acute and delayed): Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. Prolonged skin contact may cause drying of the skin. Inhalation of mists or vapors may cause nasal and respiratory tract irritation and central nervous system effects such as headache, dizziness and nausea.
Indication of Immediate Medical Attention or Special Treatment: Immediate medical attention is required for ingestion.

5 – Fire Fighting Measures

Extinguishing Media: Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.
Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.
Unusual Fire and Explosion Hazards: Contents under pressure. Extremely flammable aerosol. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors can cause a flash fire. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. A vapor and air mixture can create an explosion hazard in confined spaces.

6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Eliminate all sources of ignition and ventilate area. Wear appropriate protective clothing (see Section 8).
Environmental Precautions: Report spills to authorities as required.
Methods and Materials for Containment/Cleanup: Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces

and open flames. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.
Conditions for Safe Storage, including any incompatibilities: Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C (NFPA 30B) Level 3 Aerosol. Store away from oxidizers.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Aliphatic Hydrocarbon	1200 mg/m3 TWA (manufacturer recommended)
Petroleum Base Oil	5 mg/m3 TWA (inhalable) ACGIH TLV (as mineral oil) 5 mg/m3 TWA OSHA PEL (as oil mist, mineral)
Non-Hazardous Ingredients	None Established
Carbon Dioxide	5000 ppm TWA, 30,000 ppm STEL ACGIH TLV 5000 ppm TWA OSHA PEL

The Following Controls are Recommended for Normal Consumer Use of this Product
Engineering Controls: Use in a well-ventilated area.
Personal Protection:
Eye Protection: Avoid eye contact. Always spray away from your face.
Skin Protection: Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.
Respiratory Protection: None needed for normal use with adequate ventilation.

For Bulk Processing or Workplace Use the Following Controls are Recommended
Engineering Controls: Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.
Personal Protection:
Eye Protection: Safety goggles recommended where eye contact is possible.
Skin Protection: Wear chemical resistant gloves.
Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.
Work/Hygiene Practices: Wash with soap and water after handling.

9 – Physical and Chemical Properties

Appearance:	Light amber liquid	Flammable Limits:	LEL: 0.7% UEL: 5.6% (Aliphatic Hydrocarbon)
Odor:	Mild petroleum odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Greater than 1 (air=1)
pH:	Not established	Relative Density:	Not established
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	320-388°F (160-198°C) (Aliphatic Hydrocarbon)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	109°F (43°C) (Aliphatic Hydrocarbon)	Autoignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Flammable Aerosol	Viscosity:	Not established
VOC:	533 grams/liter (65%)	Pour Point:	Not established

10 – Stability and Reactivity

Reactivity: Non-reactive
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide, smoke fumes, unburned hydrocarbons.

11 – Toxicological Information

Symptoms of Overexposure:
Inhalation: Mist or vapors can irritate the throat and lungs. High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.
Skin Contact: Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.
Eye Contact: Contact may be irritating to eyes. May cause redness, stinging, swelling and tearing.
Ingestion: This product has low oral toxicity. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.
Chronic Effects: None expected.
Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

Suspected Cancer Agent:
Yes No X

Numerical Measures of Toxicity:
Acute Toxicity Estimates: Oral > 5,000 mg/kg; Dermal >2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.

12 – Ecological Information

Ecotoxicity: No specific aquatic toxicity data is currently available; however components of this product are not expected to be harmful to aquatic organisms
Persistence and Degradability: Components are expected to be readily biodegradable.
Bioaccumulative Potential: Bioaccumulation is not expected based on an assessment of the ingredients.
Mobility in Soil: No data available.
Other Adverse Effects: None Known

13 - Disposal Considerations

Aerosol containers should not be punctured, compacted in home trash compactors or incinerated. Empty containers may be disposed of through normal waste management options. Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, state and local regulations.

14 – Transportation Information

DOT Surface Shipping Description: UN1950, Aerosols, 2.1 Ltd. Qty
(Note: Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark)
IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY
ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1

NOTE: WD-40 Company does not test aerosol cans to assure that they meet the pressure and other requirements for transport by air. We do not recommend that our aerosol products be transported by air.

15 – Regulatory Information

U.S. Federal Regulations:
CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
SARA TITLE III:
Hazard Category For Section 311/312: See OSHA Hazard Classification in Section 2.
Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None
Section 302 Extremely Hazardous Substances (TPQ): None
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

International Information:
China Regulations on the Control over Safety of Dangerous Chemicals: All ingredients in this product are listed on the IECSC (Inventory of Existing Chemical Substances in China 2010).
Korea: All of the components of this product are listed on the Korean chemical inventory.
Philippines: This product contains an ingredient that is not listed on the PICCS. Only limited volumes can be imported. Contact WD40 for more information.
Japan: All of the components of this product are listed on the Japanese chemical inventory.
Taiwan: All the components of this product are listed on the Taiwan Inventory.

16 – Other Information

HMIS Hazard Rating:
Health – 2 (moderate hazard), Fire Hazard – 4 (severe hazard), Physical Hazard – 0 (minimal hazard)

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