

Issue Date 1992 11 01

Revision Date 2022 02 22

Version 13.11

## 1. IDENTIFICATION

### Product identifier

**Product Name** SAILKOTE AEROSOL

### Other means of identification

**Product Code** SKC8  
**Synonyms** Mixture

### Recommended use of the chemical and restrictions on use

**Recommended Use** Dry lubricant.  
Aerosol.

**Uses advised against** No information available.

### Details of the supplier of the safety data sheet

**Manufacturer Address** McGee Industries, Inc.  
9 Crozerville Rd  
P.O. Box 2425  
Aston, PA 19014

**E-mail address** info@mclube.com

### Emergency telephone number

**Company Phone Number** 1-800-262-5823 (Toll Free Within US and Canada)  
+1-610-459-1890

### Emergency Telephone

**CHEMTREC:**  
1-800-424-9300 (Toll Free Within US and Canada)  
+1-703-741-5970 (Within US and Canada)  
+1-703-527-3887 (Outside US and Canada)  
01-800-681-9531 (México)

## 2. HAZARDS IDENTIFICATION

### Classification

### OSHA Regulatory Status

This material is considered hazardous. This information is supplied under the OSHA Hazard Communication Standard (29 CFR 1910.1200), and is offered in good faith based on data available to us that we believe to be true and accurate.

Skin corrosion/irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Chronic aquatic toxicant	Category 1

### Label elements

#### Emergency Overview

#### Danger

Hazard statements  
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  
 H410: Very toxic to aquatic life with long lasting effects



Vapors may travel considerable distances to ignition sources and flash back.  
 Hazardous gases can be produced requiring respirator.  
 Heating above 500°F (260°C) may cause formation of potentially toxic substances.

**Appearance** white translucent

**Physical state** Liquid

**Odor** Sweet ester odor

#### Precautionary Statements - Prevention

P101: If medical advice is needed, have product container or label at hand.  
 P102: Keep out of reach of children  
 P210: Keep away from heat/sparks/open flames/hot surfaces — No smoking  
 P211: Do not spray on an open flame or other ignition source  
 P251: Pressurized container: Do not pierce or burn, even after use  
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P264: Wash skin thoroughly after handling  
 P270: Do not eat, drink or smoke when using this product  
 P271: Use only outdoors or in a well-ventilated area  
 P280: Wear protective gloves and eye / face protection

#### Precautionary Statements - Response

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing  
 P312: Call a POISON CENTER or doctor/ physician if you feel unwell  
 P332 + P313: If skin irritation occurs: Get medical advice/ attention  
 P337 + P313: If eye irritation persists: Get medical advice/attention

#### Precautionary Statements - Storage

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

#### Precautionary Statements - Disposal

P501: Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

None

#### Other Information

Prolonged exposure may cause chronic effects. May be irritating to eyes, respiratory system and skin. Prolonged skin contact may defat skin and produce dermatitis. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Do not smoke. Do not contaminate tobacco products. The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Do not puncture or burn aerosol can, even after use. When operating continuously for long periods, the aerosol container can become very cold. Care should be taken to avoid skin burns.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance** Not applicable

**Mixture** Mixture.

**Chemical nature** Fluoropolymer dispersion, Aerosol

**Component Information:**

Chemical Name	CAS No.	Weight-%	Classification GHS Hazard Codes (OSHA HCS)
Heptane (n-)	142-82-5	40.0-50.0	Skin Irrit. 2; (H315) STOT SE 3; (H336) Asp. Tox. 1; (H304) Aquatic Acute 1; (H400) Aquatic Chronic 1; (H410) Flam. Liq. 2; (H225)
n-Butyl acetate	123-86-4	10.0-20.0	STOT SE 3 (H336) Flam. Liq. 3 (H226)
Ethanol	64-17-5	10.0-20.0	Flam. Liq. 2 (H225)
Isobutane	75-28-5	10.0-20.0	Flam. Gas 1 (H220) Press. Gas (H280)
Carbon Dioxide	124-38-9	2.0-5.0	-
Propan-2-ol	67-63-0	1.0-5.0	Eye Irrit. 2, (H319) STOT SE 3, (H336) Flam. Liq. 2, (H225)

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

For the full text of the Classifications and Hazard Statements mentioned in this Section, see Section 16

Amounts listed are typical and do not represent a specification. Remaining components are proprietary, nonhazardous, and/or present at amounts below reportable limits.

## 4. FIRST AID MEASURES

### Description of first aid measures

<b>General advice</b>	Use first aid treatment according to the nature of the injury. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt, seek medical advice.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Obtain medical attention if irritation develops or persists.
<b>Skin contact</b>	Wash skin with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove from exposure, lie down. Artificial respiration and/or oxygen may be necessary. If symptoms persist, call a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Clean mouth with water. Do NOT induce vomiting without medical advice. Potential for aspiration if swallowed. Call a physician.
<b>Self-protection of the first aider</b>	First aider: Pay attention to self-protection. Remove all sources of ignition. Use personal protection recommended in Section 8.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Drowsiness. Dizziness.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b><u>Suitable extinguishing media</u></b>	Water spray (fog). Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b><u>Unsuitable extinguishing media</u></b>	Do not use a solid water stream as it may scatter and spread fire.
<b><u>Specific hazards arising from the chemical</u></b>	May be ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Flash back possible over considerable distance. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Aerosol cans may explode in a fire.
<b><u>Hazardous combustion products</u></b>	Carbon oxides. Fluorinated compounds.
<b><u>Explosion data</u></b>	
<b><u>Sensitivity to Mechanical Impact</u></b>	None.
<b><u>Sensitivity to Static Discharge</u></b>	May be ignited by heat, sparks or flames. All equipment used when handling must be grounded. Use spark-resistant tools.
<b><u>Protective equipment and precautions for firefighters</u></b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

<b><u>Personal precautions</u></b>	Use personal protection recommended in Section 8. Evacuate personnel to safe areas. Remove all sources of ignition. Take precautionary measures against static discharges.
<b><u>Environmental precautions</u></b>	
<b><u>Environmental precautions</u></b>	Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.
<b><u>Methods and material for containment and cleaning up</u></b>	
<b><u>Methods for containment</u></b>	Prevent further leakage or spillage if safe to do so. If possible, turn leaking containers so that gas escapes rather than liquid. Dike far ahead of liquid spill for later disposal.
<b><u>Methods for cleaning up</u></b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

<b><u>Advice on safe handling</u></b>	Contents under pressure. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. Do not smoke. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Use personal protection recommended in Section 8.
<b><u>Conditions for safe storage, including any incompatibilities</u></b>	
<b><u>Storage Conditions</u></b>	Protect from sunlight. Store at temperatures not exceeding 50 °C/ 122 °F. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).
<b><u>Incompatible materials</u></b>	Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

#### Components with Workplace Control Parameters:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Heptane (n-) 142-82-5	STEL: 500 ppm TWA: 400 ppm	TWA: 500 ppm TWA: 2000 mg/m <sup>3</sup>	IDLH: 750 ppm Ceiling: 440 ppm 15 min Ceiling: 1800 mg/m <sup>3</sup> 15 min TWA: 85 ppm TWA: 350 mg/m <sup>3</sup>
n-Butyl acetate 123-86-4	STEL: 150 ppm TWA: 50 ppm	TWA: 150 ppm TWA: 710 mg/m <sup>3</sup>	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m <sup>3</sup> STEL: 200 ppm STEL: 950 mg/m <sup>3</sup>
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Carbon Dioxide 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 30000 ppm STEL: 54000 mg/m <sup>3</sup>
Isobutane 75-28-5	STEL: 1000 ppm 15 minutes	Not Established	IDLH: N.D. TWA: 800 ppm 10 hours TWA: 1900 mg/m <sup>3</sup> 10 hours
Propan-2-ol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

### Appropriate engineering controls

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas. As a general rule, at least 10 air changes per hour are recommended at the workplace.  
Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.  
Showers. Eyewash stations.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles). ANSI/ISEA Z87.1.

#### Skin and body protection

Avoid skin contact. Wear protective nitrile rubber gloves. When operating continuously for long periods, wear protective gloves to protect skin from cold aerosol container.

#### Respiratory protection

Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties: Physical and chemical properties apply to liquid (less propellant)

<b>Physical state</b>	Liquid
<b>Appearance</b>	white translucent
<b>Color</b>	white
<b>Odor</b>	Sweet ester odor
<b>Odor threshold</b>	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No data available	
<b>Melting point / Freezing point</b>	No data available	
<b>Boiling point / boiling range</b>	78 - 149 °C / 173 - 301 °F	
<b>Flash point</b>	- 4 °C / 24 °F	Tag Closed Cup
<b>Evaporation rate</b>	< 1	n-Butyl Acetate = 1
<b>Flammability (solid, gas)</b>	Not applicable	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	10.7	Approx. Vol % in air
<b>Lower flammability limit:</b>	2.02	Approx. Vol % in air
<b>Vapor pressure</b>	2.0	kPa @ 20 °C
<b>Vapor density</b>	3.5	Air = 1
<b>Relative density</b>	0.78	g/ml @ 20°C
<b>Water solubility</b>	< 10%	
<b>Solubility in other solvents</b>	No data available	
<b>Partition coefficient</b>	No data available	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	325 - 400 °C / 600 - 750 °F	
<b>Kinematic viscosity</b>	No data available	
<b>Dynamic viscosity</b>	No data available	
<b>Explosive properties</b>	Not applicable	
<b>Oxidizing properties</b>	No data available	

**Other Information**

<b>Softening point</b>	No data available
<b>Molecular weight</b>	No data available
<b>VOC Content</b>	<= 96.0 Wt % (<= 740 g/l)
<b>Density</b>	6.47 lbs./gal. (780 kg/m <sup>3</sup> )
<b>Bulk density</b>	No data available

## 10. STABILITY AND REACTIVITY

<b><u>Reactivity</u></b>	Stable
<b><u>Chemical stability</u></b>	Stable
<b><u>Possibility of Hazardous Reactions</u></b>	None under normal processing
<b><u>Hazardous polymerization</u></b>	Hazardous polymerization does not occur.
<b><u>Conditions to avoid</u></b>	Heat, flames and sparks. Take precautionary measures against static discharges. Decomposition temperature: 325-400°C / 600-750°F.
<b><u>Incompatible materials</u></b>	Strong oxidizing agents.
<b><u>Hazardous Decomposition Products</u></b>	Carbon oxides. Fluorinated compounds.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	May cause irritation. Aspiration into lungs can produce severe lung damage. Do not smoke. Do not contaminate tobacco products. The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.
<b>Eye contact</b>	May cause irritation.
<b>Skin contact</b>	May cause irritation.
<b>Ingestion</b>	Not an expected route of exposure. May be harmful if swallowed. Potential for aspiration if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Heptane (n-) 142-82-5	> 5840 mg/kg ( Rat )	> 2920 mg/kg ( Rabbit )	> 23.3 g/l ( Rat ) 4 h vapor
n-Butyl acetate 123-86-4	= 12789 mg/kg ( Rat )	> 17600 mg/kg ( Rabbit )	= 390 ppm ( Rat ) 4 h
Ethanol 64-17-5	= 15010 mg/kg ( Rat )	= 20000 mg/kg ( Rabbit )	= 124.7 mg/l ( Rat ) 4 h
Isobutane 75-28-5	-	-	= 658 mg/l ( Rat ) 4 h vapor
Propan-2-ol 67-63-0	= 5840 mg/kg ( Rat )	= 13900 mg/kg ( Rabbit )	> 25000 mg/m <sup>3</sup> ( Rat ) 6 h vapor

### Information on toxicological effects

**Symptoms** Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

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

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	A3	Group 1	Known	X

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic toxicity** Prolonged exposure may cause chronic effects. Prolonged skin contact may defat the skin and produce dermatitis. Repeated or prolonged exposure may cause central nervous system damage. Aspiration may cause pulmonary edema and pneumonitis.

**Aspiration hazard** Risk of serious damage to the lungs by aspiration.

### Numerical measures of toxicity - Product Information

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

<b>Oral LD50</b>	> 5000 mg/kg
<b>Dermal LD50</b>	> 5000 mg/kg
<b>Gas</b>	> 20000
<b>Mist</b>	> 5 mg/l
<b>Vapor</b>	> 20 mg/l

## 12. ECOLOGICAL INFORMATION

**Marine pollutant** Yes.

**Ecotoxicity** Acute Aquatic Toxicity, Category 1; Acute Summation Method  
Chronic Aquatic Toxicity, Category 1; Chronic Summation Method

**Component Information:**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Heptane (n-) 142-82-5	10: 72 h Pseudokirchneriella subcapitata mg/l NOELR	> 13.4: 96 h Oncorhynchus mykiss mg/l LL50	3: 24 h Daphnia magna mg/l EC50
n-Butyl acetate 123-86-4	674.7: 72 h Desmodesmus subspicatus mg/l EC50	17 - 19: 96 h Pimephales promelas mg/l LC50	44: 48 h Daphnia magna mg/l EC50
Ethanol 64-17-5	275: 96 h Chlorella vulgaris mg/l EC50	15300: 96 h Pimephales promelas mg/l LC50	5012: 48 h Ceriodaphnia dubia mg/l LC50
Propan-2-ol 67-63-0	1000: 8 d Alga mg/l LOEC	9640: 96 h Pimephales promelas mg/l LC50	9714: 48 h Daphnia magna mg/l EC50

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

**Mobility** No information available.

**Component Information:**

Chemical Name	Partition coefficient
Heptane (n-) 142-82-5	4.66
n-Butyl acetate 123-86-4	1.81
Ethanol 64-17-5	-0.32
Isobutane 75-28-5	2.8
Propan-2-ol 67-63-0	0.05

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Pressurized container: Do not pierce or burn, even after use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**DOT**

**Proper shipping name** Consumer Commodity  
**Hazard Class** LIMITED QUANTITY

**ICAO (air)**

**Proper shipping name** Consumer Commodity, 9, ID8000



**IATA**

Proper shipping name Consumer Commodity, 9, ID8000

**IMDG**

Proper shipping name Aerosols, 2.1, UN1950, Limited Quantity  
 Marine pollutant Yes

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** All substances in this product are listed as active on the TSCA Chemical Substance Inventory.  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Complies  
**ENCS** Complies  
**IECSC** Complies  
**KECL** Complies  
**PICCS** Complies  
**AICS** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

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

Chemical Name	SARA 313 - Threshold Values %
Propan-2-ol - 67-63-0	1.0

**SARA 311/312 Hazard Categories**

**Acute health hazard** Yes  
**Chronic Health Hazard** Yes  
**Fire hazard** Yes  
**Sudden release of pressure hazard** No  
**Reactive Hazard** No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
n-Butyl acetate 123-86-4	5000 lb	-	-	X

**CERCLA**

This product contains the following substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
n-Butyl acetate 123-86-4	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations****California Proposition 65**

**⚠ WARNING:** This product can expose you to chemicals including Ethyl Benzene, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**U.S. State Right-to-Know Regulations**

This product contains substances regulated by state right-to-know regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Heptane (n-) 142-82-5	X	X	X
n-Butyl acetate 123-86-4	X	X	X
Ethanol 64-17-5	X	X	X
Isobutane 75-28-5	X	X	X
Carbon Dioxide 124-38-9	X	X	X
Propan-2-ol 67-63-0	X	X	X

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	<b>Health hazards</b> 2	<b>Flammability</b> 3	<b>Instability</b> 0	<b>Physical and Chemical Properties</b> -
<b>HMIS</b>	<b>Health hazards</b> 2	<b>Flammability</b> 3	<b>Physical hazards</b> 0	<b>Personal protection</b> X

**Key to Classifications and Hazard Statements contained in Sections 2 and 3**

Flam. Aerosol 1: (H222) Extremely flammable aerosol; Flammable Aerosols, Cat 1

(H229) - Pressurized gas; May burst if heated

Asp. Tox. 1 (H304): May be fatal if swallowed and enters airways; Aspiration, Cat 1

Skin Irrit. 2 (H316): Causes mild skin irritation; Skin Corr/Irritation, Cat 2

STOT SE 3 (H336): May cause drowsiness or dizziness; Target Organ Single, Narcotic, Cat 3

Aquatic Chronic 1 (H410): Very toxic to aquatic life with long lasting effects; Chronic Env. Tox., Cat 1

Skin Irrit. 2 (H315): Causes skin irritation; Skin Corr/Irritation, Cat 2

Aquatic Acute 1 (H400): Very toxic to aquatic life; Acute Env. Tox., Cat 1

Flam. Liq. 2 (H225): Highly flammable liquid and vapor; Flammable Liquid, Cat 2

Flam. Liq. 3 (H226): Flammable liquid and vapor; Flammable Liquid Cat 3

Flam. Gas 1 (H220): Extremely flammable gas; Flammable gases, Cat 1

Press. Gas (H280): Contains gas under pressure; Pressurized Gas, Compressed Gas

Eye Irrit. 2 (H319): Causes serious eye irritation; Eye Dam Irrit., Cat 2

**Issue Date** 1992 11 01

**Revision Date** 2022 02 22

**Revision Note**

1992 11 01: Initial release.

1994 12 01: Modified to update component information.

1997 10 01: Modified to update component information.

1998 12 01: Modified to update component information.

1999 02 01: Modified to update component information.

2000 03 01: Modified to update component information.

2002 10 01: Modified to update transportation information.  
2003 04 01: Modified to update health hazard information.  
2006 04 04: Modified to conform to 16 part format of ANSI Standard Z400.1-2004.  
2007 04 04: Modified to correct environmental and ecological hazards identifications.  
2008 07 02: Modified to update regulatory information.  
2013 03 16: Modified to update expiring issue date.  
2015 06 12: Modified to conform to 29 CFR 1910 (OSHA HCS).  
2015 06 12: Modified to conform to Regulation (EC) No. 1272/2008.  
2019 08 22: Modified to update component information.  
2020 12 16: Modified to update component information and CA Prop 65 Warning.  
2022 02 22: Modified to update component information.

**Disclaimer**

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**End of Safety Data Sheet**