

# Material Safety Data Sheet



Revision Number: 003.0

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** FREKOTE LIFFT AE  
**Product type:** Mold Release  
**Company address:**  
Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**IDH number:** 471913  
**Item number:** 83551  
**Region:** United States  
**Contact information:**  
Telephone: 860.571.5100  
Emergency telephone: 860.571.5100  
Internet: www.henkeln.com

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b>	Aerosol	<b>HEALTH:</b>	*1
<b>Color:</b>	Clear, Colorless	<b>FLAMMABILITY:</b>	4
<b>Odor:</b>	Mild	<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8

**DANGER:** EXTREMELY FLAMMABLE LIQUID AND VAPOR.  
VAPOR MAY CAUSE FLASH FIRE.  
CONTENTS UNDER PRESSURE.  
MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.  
ASPIRATION HAZARD IF SWALLOWED.  
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

**Relevant routes of exposure:** Skin, Inhalation, Eyes

### Potential Health Effects

**Inhalation:** Vapors and mists will irritate nose and throat and possibly eyes. High vapor concentrations (greater than approximately 1000 ppm) may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.

**Skin contact:** Vapors may irritate eyes. Contact with eyes will cause irritation.

**Eye contact:** May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, and breathing difficulties. May cause an aspiration hazard if swallowed. Aspirated material can enter lungs and cause damage.

**Ingestion:**

**Existing conditions aggravated by exposure:** Asthma. Other respiratory disorders (bronchitis, emphysema, bronchial hyperreactivity). Eczema. Dermatitis. Other pre-existing skin conditions.

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

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Naphtha (petroleum), light alkylate	64741-66-8	60 - 100
Propane	74-98-6	10 - 30
Silica	Proprietary	1 - 5

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#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
<b>Eye contact:</b>	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Keep individual calm. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Get immediate medical attention.
<b>Notes to physician:</b>	This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

#### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	Flammable. ASTM D 3065
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits - lower:</b>	Not available
<b>Flammable/Explosive limits - upper:</b>	Not available
<b>Extinguishing media:</b>	Carbon dioxide. Dry powder. Alcohol-resistant foam. Water spray or fog. Do not use high volume water jet.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water may be unsuitable as an extinguishing media, but may be helpful in keeping adjacent containers cool. Keep personnel upwind of fire.
<b>Unusual fire or explosion hazards:</b>	Contents under pressure. Do not puncture or incinerate pressurized containers. Containers exposed to fire should be cooled with water to prevent vapor pressure buildup which could result in container rupture. If a leak or spill has not ignited, use water spray to disperse vapors. The liquid is volatile and gives off invisible vapors. Vapors may form explosive mixtures with air. Do not handle or store near an open flame, heat or other sources of ignition. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a significantly high level, sparks can form that may ignite vapors of flammable liquids.
<b>Hazardous combustion products:</b>	Oxides of carbon. Acrid smoke and fumes. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

#### 6. ACCIDENTAL RELEASE MEASURES

**Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.**

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways. Advise authorities if product has entered or may enter sewers, water sources or extensive land areas. This product is insoluble in water and will float on surface.
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**Clean-up methods:**

Remove all sources of ignition. Immediately contact emergency personnel. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Wear suitable protective clothing, gloves and eye/face protection. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use non-sparking tools for clean-up. Keep in suitable and closed containers for disposal. Vapors are heavier than air and may travel along the ground or be moved by ventilation and subsequently ignited by heat, pilot lights or other ignition sources at locations distant from the material handling point.

## 7. HANDLING AND STORAGE

**Handling:**

During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Do not puncture or incinerate pressurized containers. For operations where eye or face contact could occur, provide safety shower and eyewash fountain.

**Storage:**

Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Naphtha (petroleum), light alkylate	None	None	None	281 ppm TWA Total Hydrocarbons
Propane	1,000 ppm TWA	1,000 ppm (1,800 mg/m <sup>3</sup> ) TWA	None	None
Silica	None	None	None	None

**Engineering controls:**

Use explosion-proof mechanical ventilation and local exhaust to control contaminants to within their occupational exposure limits during the use of this product.

**Respiratory protection:**

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:**

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:**

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Aerosol
<b>Color:</b>	Clear, Colorless
<b>Odor:</b>	Mild
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	2068 - 2327 mm hg
<b>Boiling point/range:</b>	Compressed Gas.
<b>Melting point/ range:</b>	Not available
<b>Specific gravity:</b>	0.68
<b>Vapor density:</b>	3.16
<b>Flash point:</b>	Flammable. ASTM D 3065

**Flammable/Explosive limits - lower:** Not available  
**Flammable/Explosive limits - upper:** Not available  
**Autoignition temperature:** Not available  
**Evaporation rate:** 5 (Ether = 1)  
**Solubility in water:** Insoluble  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** 91 %; 619 g/l EPA Method 24

## 10. STABILITY AND REACTIVITY

**Stability:** Risk of ignition. Pressure build-up.  
**Hazardous reactions:** Will not occur.  
**Hazardous decomposition products:** None under normal use.  
**Incompatible materials:** Strong oxidizing agents. Strong acids and strong bases. Humid air. Water.  
**Conditions to avoid:** Keep away from heat, spark and flame. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Vapors may form explosive mixtures with air. Fire or intense heat may cause violent rupture of packages. Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Naphtha (petroleum), light alkylate	No	No	No
Propane	No	No	No
Silica	No	No	No

Hazardous components	Health Effects/Target Organs
Naphtha (petroleum), light alkylate	Irritant
Propane	Cardiac, Central nervous system, Irritant
Silica	No Records

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

## 13. DISPOSAL CONSIDERATIONS

**Information provided is for unused product only.**

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations. Do not puncture or incinerate pressurized containers.  
**Hazardous waste number:** D001: Ignitable.

## 14. TRANSPORT INFORMATION

**U.S. Department of Transportation Ground (49 CFR)**

**Proper shipping name:** Aerosols  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None  
**DOT Reportable quantity:** Xylene (mixed)  
**Exceptions:** ORM-D, Consumer Commodity, Up to 1 L max per inner/primary package when shipped as originally packaged only

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** AEROSOLS  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None

**15. REGULATORY INFORMATION**

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
**TSCA 12(b) Export Notification:** None above reporting de minimus  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimus  
**CERCLA/SARA Section 311/312:** Pressure, Fire, Immediate Health, Delayed Health  
**CERCLA/SARA 313:** None above reporting de minimus  
**CERCLA Reportable quantity:** Xylenes (CAS# 1330-20-7) 100 lbs. (45.4 kg)  
**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information**

**CEPA DSL/NDSL Status:** Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.  
**WHMIS hazard class:** B.5, D.2.B

**16. OTHER INFORMATION**

**This material safety data sheet contains changes from the previous version in sections:** New Material Safety Data Sheet format. 2-4, 8, 9, 11, 14, 15

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