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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) Silicone Lubricant Food Grade
Product type: Lubricant
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 81246
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Hazardous components</u> | <u>%</u> | <u>ACGIH TLV</u> | <u>OSHA PEL</u> | <u>OTHER</u> |
|---|----------|---|--|--------------|
| Butane 106-97-8 | 10-30 | 1000 ppm TWA | 800 ppm TWA | None |
| Naphtha (petroleum), heavy alkylate 64741-65-7 | 5-10 | 100ppm TWA | 100ppm (TWA) | None |
| Propane 74-98-6 | 5-10 | 1000 ppm TWA | 1000 ppm TWA 1800 mg/m ³ TWA | None |
| White mineral oil (petroleum) 8042-47-5 | 1-5 | 5mg/m ³ TWA (mist): 10mg/m ³ STEL (mist) | 5mg/m ³ TWA (mist): | None |

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**HMIS:

Physical state: Aerosol
Color: Clear
Odor: Petroleum

HEALTH: 2
FLAMMABILITY: 4
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

DANGER: EXTREMELY FLAMMABLE.
CONTENTS UNDER PRESSURE.
MAY CAUSE EYE AND RESPIRATORY IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Extreme overexposure may result in unconsciousness and possibly death.
Skin contact: May cause skin irritation. Redness.
Eye contact: May cause irritation.
Ingestion: Not a relevant route of exposure.

Existing conditions aggravated by exposure: None generally recognized.

See Section 11 for additional toxicological information.

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4. FIRST AID MEASURES

| | |
|----------------------|--|
| Inhalation: | Remove to fresh air. If symptoms develop and persist, get medical attention. |
| Skin contact: | Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms develop and persist. |
| Eye contact: | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. |
| Ingestion: | Do not induce vomiting. Obtain medical attention. |

5. FIRE-FIGHTING MEASURES

| | |
|--|---|
| Flash point: | Less than 0°C (17.7°F) (Propellant) |
| Flashback: | This product exhibits flashback when tested for flame extension. |
| Flame Projection: | 47.52 inches (18 cm) |
| Autoignition temperature: | Not available |
| Flammable/Explosive limits-lower %: | 1.0 |
| Flammable/Explosive limits-upper %: | 9.5 |
| Extinguishing media: | Carbon dioxide (CO2). Dry chemical. Foam. |
| Special fire fighting procedures: | Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. |
| Unusual fire or explosion hazards: | Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. |
| Hazardous combustion products: | Oxides of carbon. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|-----------------------------------|---|
| Environmental precautions: | Remove sources of ignition. Ventilate area. |
| Clean-up methods: | Soak up with inert absorbent. Store in a closed container until ready for disposal. |

7. HANDLING AND STORAGE

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|-------------------------------|--|
| Handling: | Keep away from heat, spark and 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, electrical tools and appliances, and any other sources of ignition. |
| Storage: | Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. |
| Incompatible products: | Not available |

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|------------------------------|---|
| Engineering controls: | Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits. |
|------------------------------|---|

Respiratory protection: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH.

Skin protection: None required in normal use. Chemical resistant, impermeable gloves.

Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Aerosol
Color: Clear
Odor: Petroleum
Vapor pressure: Not available
pH: Not applicable
Boiling point/range: <-18-211°C (<0-211°F)
Melting point/range: Not available
Specific gravity: 0.81
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Not available
Partition coefficient (n-octanol/water): Not available
VOC content: <34% (minus exempt solvents and water). (calculated)

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Oxides of carbon.

Incompatibility: None known.

Conditions to avoid: None known.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen |
|---|----------------|-----------------|-----------------|
| Butane 106-97-8 | No | No | No |
| Naphtha (petroleum), heavy alkylate 64741-65-7 | No | No | No |
| Propane 74-98-6 | No | No | No |
| White mineral oil (petroleum) 8042-47-5 | No | No | No |

Literature Referenced Target Organ & Other Health Effects

| Hazardous components | Health Effects/Target Organs |
|---|---|
| Butane 106-97-8 | Cardiac, Central nervous system, Irritant |
| Naphtha (petroleum), heavy alkylate 64741-65-7 | Irritant |
| Propane 74-98-6 | Cardiac, Central nervous system, Irritant |
| White mineral oil (petroleum) 8042-47-5 | Irritant |

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Depressurize cans. Do not incinerate. Dispose of in accordance with Federal, State and local regulations.

EPA hazardous waste number: 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.

14. TRANSPORT INFORMATION

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

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Exceptions: (Not more than 1 Liter) Consumer Commodity ORM-D
Marine pollutant: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN1950
Packing group: None
Exceptions: (Not more than 500mL) ID8000

WaterTransportation (IMO/IMDG):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN1950
Packing group: None
Exceptions: Limited quantity (Not more than 1 L)
Marine pollutant: 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.

CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire
CERCLA/SARA 313: None above reporting de minimus.

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class: A, B.5, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2, 15

Prepared by:

C.J. Michaels, Manager, Regulatory Affairs

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