Material Safety Data Sheet

Revision Date: 06/25/2003 **Print date:** 06/25/2003

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: ViperLube(TM)
Product type: Lubricant
Item number: 36780
Region: United States

Company address:
Henkel Loctite Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067
Telephone: (860) 571-5100
Emergency telephone: (860) 571-5100

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Polyalphaolefins	30-60	5mg/m³ TWA (mist:) 10mg/m³ STEL (mist)	5mg/m³ TWA (mist:)	None
Zinc oxide 1314-13-2	5-10	10 mg/m³ STEL (fume) 10 mg/m³ TWA (dust) 5 mg/m³ TWA (fume)	15 mg/m³ TWA (total dust) 5 mg/m³ TWA (respirable fraction) 5 mg/m³ TWA (fume)	None
Calcium carbonate 471-34-1	5-10	10 mg/m³ TWA (particulate matter containing no asbestos and <1% crystalline silica)	15 mg/m³ TWA (total dust) 5 mg/m³ TWA (respirable fraction)	None
Distillates (petroleum), solvent dewaxed heavy paraffinic 64742-65-0	5-10	5 mg/m³ TWA (mist) 10mg/m³ STEL (mist)	5 mg/m³ TWA (mist)	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Semi-solid
Color: White
Odor: Mild petroleum

HEALTH: 1
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

CAUTION: MAY CAUSE EYE AND SKIN IRRITATION.

Relevant routes of exposure: Skin, inhalation, eyes

Potential Health Effects

Inhalation: Mist or spray may cause respiratory tract irritation and delayed onset pulmonary edema.
Skin contact: May cause irritation due to defatting of the skin.
Eye contact: May cause irritation.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If discomfort persists seek medical attention.

Skin contact: Wash with soap and water. If hot material contacts the skin, immediately cool before attempting removal. Get medical attention if symptoms develop and persist. If high pressure forces the product under the skin get immediate medical attention.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Aspiration may cause pulmonary edema and pneumonitis. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: Greater than 180ºC (350ºF)

Autoignition temperature: Not determined

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Small Fires:. Dry chemical. Dry sand. Vermiculite. Large fires: Treat as oil fire. Water fog. Foam.

Special fire fighting procedures: Water spray may be ineffective. Oil will float on water and can spread fire.

Unusual fire or explosion hazards: None

Hazardous combustion products: Oxides of carbon. Oxides of sulfur.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains or open waters.

Clean-up methods: Clean-up methods - large spillage. Flush with water. Dispose of in accordance with local and national regulations.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Keep container closed.

Storage: Keep in a cool, well ventilated area.

Incompatible products: Oxidizing agents.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Ensure adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational 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 for protection against materials in Section 2. Observe OSHA regulations for respiratory use (29 CFR 1910.134).

Skin protection: Cover as much of the exposed skin area as possible with appropriate clothing.

Eye/face protection: Safety glasses with side-shields. Goggles.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Semi-solid
Color: White
Odor: Mild petroleum
Vapor pressure: Less than 0.01 mm Hg at 20ºC (68ºF)
pH: Not applicable
Boiling point/range: Not available
Melting point/range: Not available
Specific gravity: 0.95 to 1.05 at 25ºC (77ºF)
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Negligible
Partition coefficient (n-octanol/water): Not determined
VOC content: 28.9%; 28.9 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions

Hazardous polymerization: Will not occur. Hazardous polymerization: Not applicable

Hazardous decomposition products: Oxides of carbon. Oxides of sulfur.

Incompatability: Oxidizing agents.

Conditions to avoid: None known.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Polyalphaolefins	No	No	No
Zinc oxide	No	No	No
Calcium carbonate	No	No	No
Distillates (petroleum), solvent dewaxed heavy paraffinic	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Polyalphaolefins	No Target Organs
Zinc oxide	Skin, Respiratory, Pancreas, Metabolic, Kidney, Irritant, Immune system, Blood, Nervous System, Gastrointestinal
Calcium carbonate	Nuisance dust
Distillates (petroleum), solvent dewaxed heavy paraffinic	Irritant

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.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

WaterTransportation (IMO/IMDG):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None
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
CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Zinc oxide (CAS# 1314-13-2)(Dust and fumes only).

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

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class: Non-controlled

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections:
New Material Safety Data Sheet format.

Prepared by: C.J. Michaels, Senior Health & Regulatory Affairs Specialist

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Loctite Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Loctite Corporation has no control. It is the user's responsibility to determine the suitability of Henkel Loctite's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Loctite Corporation's products. In light of the foregoing, Henkel Loctite Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Loctite Corporation's products. Henkel Loctite Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.