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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: ViperLube(TM) Synthetic Grease High Performance
Item number: 36786
Product type: Lubricant
Region: United States
Company address: Henkel Loctite Corporation, 1001 Trout Brook Crossing, Rocky Hill, Connecticut 06067

2. COMPOSITION/INFORMATION ON INGREDIENTS

Table with 5 columns: Hazardous components, %, ACGIH TLV, OSHA PEL, OTHER. Lists ingredients like n-Heptane, Acetone, Polyalphaolefins, Butane, Propane, White mineral oil, Zinc oxide, Calcium carbonate, and Distillates.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW table containing HMIS ratings for Physical state, Color, Odor, HEALTH, FLAMMABILITY, PHYSICAL HAZARD, and Personal Protection.

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**DANGER:** EXTREMELY FLAMMABLE.  
CONTENTS UNDER PRESSURE.  
VAPOR MAY CAUSE FLASH FIRE  
HARMFUL IF INHALED.  
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

**Relevant routes of exposure:** Skin, inhalation, eyes

**Potential Health Effects**

**Inhalation:** Vapors and mist irritate the respiratory tract and nasal passages. Overexposure may cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death  
**Skin contact:** Irritating to skin.  
**Eye contact:** Contact with eyes will cause irritation.  
**Ingestion:** Not expected under normal conditions of use.

**Existing conditions aggravated by exposure:** None generally recognized.

**See Section 11 for additional toxicological information.**

**4. FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. Restore breathing.

**Skin contact:** After contact with skin, wash immediately with plenty of water. Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms develop and persist.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

**Ingestion:** Do not induce vomiting. Get medical attention immediately.

**Notes to physician:** Treatment :

**5. FIRE-FIGHTING MEASURES**

**Flash point:** Less than -17.8°C (0 °F) (Propellant)

**Autoignition temperature:** Not available

**Flammable/Explosive limits-lower %:** 1.1 (value for propellant).

**Flammable/Explosive limits-upper %:** 12.8 (value for propellant).

**Extinguishing media:** Carbon dioxide (CO2). Dry chemical. Foam.

**Special fire fighting procedures:** Water spray may be ineffective. 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. Oxides of sulfur.

**6. ACCIDENTAL RELEASE MEASURES**

**Environmental precautions:** No information available

**Clean-up methods:** Remove all ignition sources. Ventilate area. Soak up with inert absorbent.

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## 7. HANDLING AND STORAGE

<b>Handling:</b>	Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors.
<b>Storage:</b>	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.
<b>Incompatible products:</b>	None reasonably foreseeable.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
<b>Respiratory protection:</b>	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.
<b>Skin protection:</b>	Chemical resistant, impermeable gloves.
<b>Eye/face protection:</b>	Safety glasses with side-shields.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Aerosol
<b>Color:</b>	Pale yellow
<b>Odor:</b>	Aliphatic
<b>Vapor pressure:</b>	Not available
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	Less than -18 to 100°C (0 to 212°F)
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	0.72
<b>Vapor density:</b>	Heavier than air
<b>Evaporation rate:</b>	Faster than ether
<b>Solubility in water:</b>	Not available
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	48% (calculated)

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Hazardous polymerization:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	None under normal use
<b>Incompatibility:</b>	None known.
<b>Conditions to avoid:</b>	Heat, flames and sparks.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
n-Heptane	No	No	No
Acetone	No	No	No
Polyalphaolefins	No	No	No
Butane	No	No	No
Propane	No	No	No
White mineral oil (petroleum)	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
n-Heptane	Central nervous system, Irritant
Acetone	Blood, Central nervous system, Irritant, Reproductive
Polyalphaolefins	No Target Organs
Butane	Cardiac, Central nervous system, Irritant
Propane	Cardiac, Central nervous system, Irritant
White mineral oil (petroleum)	Irritant
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:** Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable federal, state and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product.

**EPA hazardous waste number:** D001: Ignitable.

### 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

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

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None  
**Exceptions:** (Not more than 500 ml) Consumer Commodity ID8000

**Water Transportation (IMO/IMDG):**

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

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## 15. REGULATORY INFORMATION

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12 (b) Export Notification:</b>	Acetone (CAS# 67-64-1).
<b>CERCLA/SARA Section 302 EHS:</b>	Not available
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health Hazard, Fire
<b>CERCLA/SARA 313:</b>	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).
<b>California Proposition 65:</b>	No California Proposition 65 listed chemicals are known to be present.

### Canada Regulatory Information

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

## 16. OTHER INFORMATION

**This material safety data sheet contains changes from the previous version in sections:**  
Revised to new format.

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

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