

MATERIAL SAFETY DATA SHEET

Super Lube(R) Synthetic-Based Lubricant with PTFE
 20029

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Super Lube(R) Synthetic-Based Lubricant with PTFE
 Item No.: 20029
 Product Type: Lubricant

SUPER LUBE is a registered trademark of Synco Chemical Corporation

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
n-HEPTANE	142-82-5	65-75
Hydrogenated polyalphaolefins	68037-01-4	10-15
Mineral oil	8042-47-5	5-10
CARBON DIOXIDE	124-38-9	3-5
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	112945-52-5	3-5

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
n-HEPTANE	400 ppm TWA 1640 mg/M3	500 ppm TWA 1600 mg/M3	None
Hydrogenated polyalphaolefins	5mg/m3 mist	5mg/m3 mist	None
Mineral oil	5mg/m3 TWA mist	5mg/m3 TWA mist	None
CARBON DIOXIDE	5,000 ppm TWA 9,000 mg/M3	10,000 ppm TWA 18,000 mg/M3	None
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA resp. dust

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
n-HEPTANE	500 ppm 2050 mg/M3	500 ppm 2000 mg/M3
Hydrogenated polyalphaolefins	10mg/m3	None
Mineral oil	10 mg/m3 mist	None
CARBON DIOXIDE	30,000 ppm 54,000 mg/M3	30,000 ppm 54,000 mg/M3

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3. HAZARDS IDENTIFICATION

Toxicity: Eye irritant. Anesthetic. Possible skin irritant.
Primary Routes of Entry: Heptane: Inhalation, ingestion, contact.
Signs and Symptoms of Exposure: Inhalation: Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired coordination
Skin: Dry skin. Irritation upon prolonged contact.
Solvent can dry and defat the skin causing it to crack, leading to dermatitis.
Eyes: Moderate to severe irritation from liquid or vapor contact.

Existing Conditions Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
n-HEPTANE	CNS IRR	NO	NO	NO
Hydrogenated polyalphaolefins	NTO	NO	NO	NO
Mineral oil	IRR	NO	NO	NO
CARBON DIOXIDE	CNS	NO	NO	NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	NUI	NO	N/A	NO

Abbreviations

N/A Not Applicable
IRR Irritant
NUI Nuisance dust
CNS Central nervous system
NTO No Target Organs

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Obtain medical attention.
Skin Contact: Wipe off with towel. Wash with soap and water. Get medical attention if irritation persists..
Eye Contact: Wash immediately with large volumes of water for at least 15 minutes. Get medical attention.

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5. FIRE FIGHTING MEASURES

Flash Point: >200F Method: Tag closed cup
Flame Extension greater than 18 inches.
Flash Back 2 inches.

Recommended

Extinguishing Agents: Carbon dioxide, foam, dry chemical, alcohol foam,
water fog.

Special Firefighting

Procedures: Not available

Hazardous Products formed

by Fire or Thermal Decomp Irritating organic vapors; carbon monoxide.

Unusual Fire or

Explosion Hazards: Closed containers may explode from internal
pressure build-up when exposed to extreme heat
and discharge contents. Vapor accumulation can
flash or explode if ignited. Overexposure to
decomposition products may cause a health hazard
Symptoms may not be readily apparent. Obtain
medical attention.

Water spray may be ineffective. Water may be used
to cool containers to prevent pressure build-up
and explosion when exposed to extreme heat. If
water is used, fog nozzles are preferred. Wear
goggles and self-contained breathing apparatus.

Explosive Limits:

(% by volume in air)Lower Heptane: 1.1%
(% by volume in air)Upper Heptane: 6.7%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
of spill or leak:

Maintain good ventilation. Avoid breathing vapors.
Remove all sources of ignition.
Soak up in an inert absorbent and store
in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage:

Store below 120°F in a tightly closed container
away from oxidizing materials and sources of
ignition. Storage areas should be cool, dry, and
well ventilated. Do not stick pin, nail, or any
other sharp object into opening on top of can.
Do not puncture or incinerate (burn) cans.
Small pressurized containers of flammable products
may be stored in areas suitable for ordinary
combustibles with respect to construction,

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7. HANDLING AND STORAGE

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drainage, control of ignition sources, and ventilation, except that they should not be stored in basements.
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Keep away from flame. Avoid prolonged breathing of vapors. Do not spray in eyes. Avoid skin contact. Do not take internally.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses with splash guards or goggles or full face shield.
Skin: Solvent resistant rubber or plastic gloves.
Ventilation: Sufficient to prevent inhalation of solvent vapors
General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of hazardous ingredients below acceptable limits and LEL below stated limit.
Respiratory Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White grease
Odor: Aliphatic
Boiling Point: Not available
pH: Does not apply
Solubility in Water: Nil
Specific Gravity: Not available
Volatile Organic Compound
(EPA Method 24) 66.56%
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate
(Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong oxidizers.
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

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11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: D001 - Hazardous waste per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity

Hazard Class or

Division: ORM-D

Identification Number: None

Marine Pollutant: None

IATA

Proper Shipping Name: Aerosols, flammable

Class or Division: Class 2.1

UN or ID Number: UN 1950

15. REGULATORY INFORMATION

CA Proposition 65: No Prop65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 1

Fire Hazard: 3

Reactivity Hazard: 0

Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 1

Flammability Hazard: 3

Reactivity Hazards: 0

Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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16. OTHER INFORMATION

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Revision Date: October 21, 2004 Revision: 0009