



MATERIAL SAFETY DATA SHEET

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**WHITE LITHIUM GREASE
PART NO. 49596**

SECTION I – IDENTITY INFORMATION

Product Name : White Lithium Grease

SECTION II – HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>WGT%</u>
Heptane	142-82-5	400 ppm	400 ppm	35
Propane	74-98-6	Asphyxiant	1000 ppm	12

*** No toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present ***

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (Range) : -44⁰F to 208⁰F
Vapor Density (Air =1) : Heavier than air
Solubility in Water : Nil
Specific Gravity (H₂O=1) : 0.77
Evaporation Rate : Slower than ether
Appearance and Odor : Aerosol product

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) : -156⁰F (estimated)
Flammable Limits : LEL - 1.2 UEL - 9.5
Extinguishing Media : Water fog, foam, dry chemical or CO₂
Special Fire Fighting Procedures : 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 preferred. Wear goggles and self-contained breathing apparatus.

Unusual Fire and 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.

SECTION V – REACTIVITY DATA

Stability : Stable
Conditions to Avoid : Application to hot surfaces. Storage above 120⁰F. Exposure to open flame.
Incompatibility (Materials to Avoid) : Strong oxidizing agents.
Hazardous Decomposition or Byproducts : May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes.
Hazardous Polymerization : Will not occur.

SECTION VI – HEALTH HAZARD DATA

Inhalation Health Risks and Symptoms of Exposure : Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired co-ordination.
Skin Contact Health Risks and Symptoms of Exposure : Contact may dry the skin; prolonged contact may cause moderate irritation.
Eye Contact Health Risks and Symptoms of Exposure : Liquid or vapor can cause moderate to severe irritation.
Skin Absorption Health Risks and Symptoms of Exposure : Not easily absorbed. Solvent action can dry and defat the skin causing the skin to crack, leading to dermatitis.
Ingestion Health Risks and Symptoms of Exposure : Not a likely route of exposure. If swallowed, seek immediate medical advice and/or attention.
Health Hazards (Acute and Chronic)
Acute : Eye irritant. Possible skin irritant.
Chronic : None known.
CARCINOGENICITY:
NTP Carcinogen : No
IARC Monographs : No
OSHA Regulated : No
Medical Conditions Generally Aggravated by Exposure : None known.

EMERGENCY AND FIRST AID PROCEDURES:

- Inhalation : Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.
- Skin : Wipe off with towel. Wash with soap and water. Get medical attention if irritation persists.
- Eyes : Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released
or Spilled

: Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.

Waste Disposal Method
and

: Dispose of in accordance with local, state, federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

Other Precautions

: Use with adequate ventilation. To prevent vapor build-up, open doors and windows or use in an explosion-proof exhaust fan to ensure fresh air exchange during and after use. Do not breathe vapor, gas or spray mist. When using,

do

not eat, drink or smoke. Avoid contact with eyes, skin and clothing. Wear protective equipment. Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Empty containers retain product residues; follow label warnings even after can is emptied. Do not store in basements.

SECTION VIII - CONTROL MEASURES

Respiratory Protection

: Avoid breathing vapors. Use with adequate ventilation equal to out of doors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Ventilation

: Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust

ventilation in volume or pattern to keep PEL/
TLV of most hazardous ingredient below
acceptable limit and LEL below stated limit.

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Protective Gloves	: Solvent resistant gloves required for prolonged or repeated contact.
Eye Protection	: Use of safety glasses with splash guards or full face shield is recommended.
Other Protective Clothing or Equipment	: Use of solvent resistant aprons or other clothing is recommended.
Work/Hygienic Practices	: Eye washes and safety showers in the workplace are recommended.

SECTION IX – HAZARD COMMUNICATION CODES

HMIS RATING:

Health	: 1
Flammability	: 4
Reactivity	: 0

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