

MATERIAL SAFETY DATA SHEET
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EMERGENCY PHONE NO.: (FOR SPILL, LEAK, FIRE,
EXPOSURE OR ACCIDENT): 1-800-535-5053

***** WHITE LITHIUM GREASE 37021 *****

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: White Lithium Grease (aerosol)
PRODUCT DESCRIPTION: A highly concentrated smooth, all-purpose / all-weather lithium base grease with excellent resistance to heat; provides effective, long lasting protection throughout a wide temperature range. Excellent when used in marine applications due to its high resistance to rusting and corrosive action. Use in transportation, construction, farm, shop, and numerous industrial applications. Stable and water-resistant, it will not wash away, run off or dry out.

Extremely flammable – not for use on energized equipment!

RESTRICTIONS: Non-restricted.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT NAME(S)	CAS#	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
Methylene Chloride	75-09-2	25 ppm	2000 mg/kg (Rat)
Petroleum Hydrocarbon	Non-Haz	5 mg/m ³	N.E.
Propane	75-28-5	1000 ppm	N.E.
Isobutane	74-98-6	800 ppm	N.E.

Carcinogenic: **OSHA** = No **NTP** = Yes **IARC** = Yes*

*Methylene Chloride has been found to cause cancer in certain laboratory animals and therefore may present a risk to humans; it is classified as a (Group 2B) carcinogen by IARC.

SECTION III - PHYSICAL DATA

APPEARANCE: Smooth, white colored grease
ODOR: Mild, chlorinated odor
BOILING POINT: 102 degrees F. (39 degrees C.)
VAPOR DENSITY (Air = 1): 2.5
VAPOR PRESSURE: 1300 mmHg
SOLUBILITY IN WATER: Nil
SPECIFIC GRAVITY: 1.01
EVAPORATION RATE (Ether = 1): 0.35

SECTION IV - FIRE AND EXPLOSION DATA

HMIS RATING: Health – 2, Fire – 3, Reactivity - 0
FLASH POINT (For propellant blend): -134 degrees F.
FLAMMABLE LIMITS (For propellant blend): LEL: 1.8 UEL: 9.5
EXTINGUISHING MEDIA: Dry chemical, foam, CO₂, or water fog.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Spray is extremely flammable; vapors are heavier than air and may travel considerable distances to ignition sources to flash or explode.
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear self-contained breathing apparatus and

protective clothing. Cool fire-exposed aerosols with water fog.

SECTION V - HEALTH HAZARD DATA:

EMERGENCY AND FIRST AID PROCEDURES: Eye Contact: Flush eyes with water for at least 15 minutes. Consult a physician. Skin Contact: Wash skin with soap and water. If irritation develops or persists, consult a physician. Inhalation: Remove victim to fresh air, administer oxygen if necessary. If victim has stopped breathing begin CPR. Get immediate medical attention. Ingestion: Consult a physician immediately. DO NOT induce vomiting unless physician directed. If spontaneous vomiting occurs, keep victim's head below hips to prevent aspiration into the lungs. Get immediate medical attention. Product contains chemical components which may be harmful or fatal if swallowed.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Pre-existing skin conditions, pre-existing heart conditions.

PRIMARY ROUTES OF ENTRY: Inhalation, skin and eye contact.

HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE: Excessive acute inhalation overexposures by inhalation of vapor concentrations may cause dizziness, weakness, fatigue, nausea, headache, unconsciousness or in extreme concentrations, asphyxiation. Long-term, chronic overexposures to Methylene Chloride may result in permanent brain damage, nervous system damage, kidney or liver damage.

SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal use and storage conditions.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS (under fire conditions): Hydrogen chloride, trace amounts of phosgene and chloride, carbon oxides, irritating aldehydes and ketones
INCOMPATIBILITY: Avoid strong oxidizing agents, strong acids, alkalis, powdered Al, Zn, etc.
CONDITIONS TO AVOID: Avoid heat, flame, all potential ignition sources.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove ignition sources, ventilate area. Take up spill on an inert absorbent material and place into a DOT approved closed-top waste container for disposal. Prevent spilled material from entering sewers or drains.

WASTE DISPOSAL: Dispose of waste or unwanted material in accordance with existing Federal, State and Local environmental regulations. May be reclaimed or incinerated by permitted facilities.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Not normally required; Mechanical (general) ventilation is generally adequate. Wear a NIOSH approved organic respirator for nuisance-level vapors, a positive pressure, air-supplied respirator in high vapor concentrations or oxygen-deficient atmospheres.
PROTECTIVE GLOVES: Chemical resistant rubber or plastic.
EYE PROTECTION: Safety glasses, splash goggles, face shield.
OTHER PROTECTIVE EQUIPMENT: Eye wash station.

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye and skin contact. Avoid excessive inhalation of vapors. Use in a well-ventilated environment. Intentional inhalation of contents is harmful and may be fatal.

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PRECAUTIONS TO BE TAKEN IN STORING: Store containers below 120°F (48°C), away from heat or ignition sources, open flame, out of direct sunlight.

SECTION X – SHIPPING DATA

U.N. / N.A NUMBER: UN1950

DOT/IATA SHIPPING NAME: (DOT): Aerosols, flammable, (each not exceeding 1L capacity). (IATA): Aerosols, flammable, containing substances in Division 6.1, Packing Group III (each not exceeding 1L capacity).

DOT/IATA HAZARD CLASS: (DOT): 2.1; (IATA): 2.1, Sub 6.1.

DOT/IATA REQUIRED HAZARD LABELS: (DOT, ground mode): 2, Flammable gas; (IATA): 2 Flammable gas, 6 Toxic.

DOT EXCEPTION: See Code 49 Section 172.101, column (8A). Section 173.306(h) permits "limited quantity" materials (inner packagings which do not exceed 1L capacity / 61 cubic inches and for which internal pressures do not exceed 180 psig at 130 degrees F.) meeting Section 171.8 definition of "Consumer commodity" to be renamed "Consumer commodity", reclassified as ORM-D when shipped via ground mode, domestically.

IMDG SHIPPING NAME: Aerosols, flammable, (each not exceeding 1L capacity)

FREIGHT CLASS: NMFC 155250

LTL: 65

TL: 35

MW: 30

T.S.C.A. STATUS: All components listed

PREPARED BY: Roger Hanson

DATE PREPARED: 03-18-00

SUPERSEDES: 02-27-00

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N.E. = NOT ESTABLISHED

N.A. = NOT APPLICABLE