

MATERIAL SAFETY DATA SHEET
MSDS

ITEM NUMBER: 715 – White Lithium Grease

VERSION 4 EFFECTIVE DATE: 05/05/03 SUPERCEDE DATE: 07/14/00 PREPARED BY: Ron Cepa

Section(s) Revised: II, III, IX

IDENTITY (As Used On Label and List): White Lithium Grease

EMERGENCY MEDICAL Telephone# 1-800-228-5635 (24 Hrs)

Outside of the U.S.A. Call 651-632-9275

PRODUCT HAZARD RATINGS (HMIS®): - Health = 1, Fire = 4, Reactivity = 0, Protective Equipment = B

(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

SECTION I

CLAIRE MANUFACTURING
500 VISTA AVE.
ADDISON, IL 60101

TELEPHONE NUMBER FOR INFORMATION: 1-800-252-4731
DATE PRINTED: 7/17/03
NAME OF PREPARER: Ron Cepa

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names	CAS #	SARA Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By Wt.
Hexane	110-54-3	Yes	50 ppm/ NE	50 ppm/ NE	50-70
Propane	74-98-6	No	2500 ppm/ NE	1000 ppm/ NE	10-20

Balance of ingredients are non-hazardous or below reportable levels.

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA Vapor Pressure (psig): 68 @ 130F / 40 @ 70F Specific Gravity (H2O=1): 0.6848 pH: NA
Solubility/Water: Negligible Vapor Density (AIR=1): ND Evaporation Rate (Ether=1): ND
Appearance and Odor: White aerosol spray with characteristic odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: Product is to be labeled as extremely flammable as described in 16 CFR 1500.3 and 1500.45.

Flashpoint: <0F (Propellant); 0F (Concentrate)

Flammable Limits - % Volume In Air (Propellant): LEL: 2.2 UEL: 9.5

Extinguishing Media: Carbon dioxide, water spray, foam, or dry chemical.

Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up.

Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire and Explosion Hazards: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protection clothing. At elevated temperatures (over 54C (129F)) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

SECTION V - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: NA

Incompatibility (Materials to Avoid): Strong oxidizing agents and strong reducing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Conditions to Avoid: Keep away from heat, sparks, and flames. Dropping of containers may cause bursting.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry - Inhalation: X Eyes: X Skin: X Ingestion:

HAZARDS IDENTIFICATION: EYES: May cause moderate irritation. SKIN: May cause mild irritation. Prolonged or repeated contact may dry the skin and lead to irritation (i.e. dermatitis). INHALATION: Irritating to eyes, nose and respiratory tract. Asphyxiant. Symptoms are dependent on rapidity of oxygen deficiency development and duration.

Unconsciousness is immediate in sudden acute asphyxia. Slow development may cause rapid breathing, dizziness, incoordination, fatigue, and progress to nausea, vomiting, and possibly death. Can cause anesthetic and/or narcotic effects. INGESTION: Not hazardous in normal industrial use. Can cause dizziness, faintness, headaches, and incoordination. Possible aspiration hazard. May cause inflammation of the lungs.

AGGRAVATED MEDICAL CONDITIONS: May aggravate pre-existing eye, skin, respiratory conditions.

CHRONIC EFFECTS/TARGET ORGANS: None known.

EMERGENCY AND FIRST AID PROCEDURES: EYES: Immediately flush with plenty of water for at least 15 minutes. Get prompt medical attention. SKIN: Immediately flush with plenty of water for at least 15 minutes. Get prompt medical attention. INHALATION: Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration. INGESTION: Get medical attention. Victim should drink a small amount of water to dilute stomach content, and if vomiting occurs have victim lean forward to reduce risk of aspiration. Never give anything by mouth to an unconscious person.

CARCINOGENICITY:

No regulated ingredients.

TOXICITY INFORMATION:

Hexane:

Repeated or prolonged exposure to hexane can cause reversible peripheral neuropathy with associated muscle weakness in the extremities (fingers and toes). High vapor concentrations may cause Central Nervous System depression.

LD50 Oral Rat: 28,700 mg/kg

LC50 Inhalation Rat: 77,000-ppm/1 hr.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Releases or Spills: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

Handling And Storing: Avoid breathing vapor. Keep away from heat, sparks and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 120F (48.9C). Store as Level 3 Aerosol (NFPA 30B).

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

SECTION VIII - EMPLOYEE PROTECTION

Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.

Ventilation: General ventilation is adequate under normal conditions; mechanical ventilation is optional.

Protective Gloves: Chemical resistant gloves are recommended – consult glove manufacturer to determine the proper type for a specific operation.

Eye Protection: Safety glasses are recommended.

Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

SECTION IX - OTHER REGULATORY CONTROLS

FEDERAL:

Toxic Substance Control Act (TSCA): Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

STATE RIGHT-TO-KNOW:

Pennsylvania/New Jersey Right-To-Know (Chemical and CAS No.):

Hexane 110-54-3

Petroleum Distillates 64742-54-7/64742-65-0

Propane 74-98-6

SECTION X - TRANSPORTATION REQUIREMENTS (D.O.T. CLASSIFICATION)

Shipping Name: Consumer Commodity Hazard Class: ORM-D

NG-- Negligible NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.

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