



MATERIAL SAFETY DATA SHEET

IDENTITY (As used on label and list): **MAG 1 MULTI-PURPOSE WHITE LITHIUM GREASE**

PRODUCT CODE: **MAG10448**

NFPA Hazard Identification 0 – Least 1 – Slight 2 – Moderate 3 – High 4 – Extreme

Health: 1

Fire: 4

Reactivity: 0

Section I - General Information

Warren Distribution, Inc.

2849 River Road
Council Bluffs, IA 51501
Information (402) 341-9397

Emergency

(402) 677-1331

Chemtrec

(800) 424-9300

Reviewed: **08/31/04**

Section II - Composition/Information on Ingredients

COMPONENT NAME	%	CAS	PEL MIST	PEL VAPOR
Heptane	18	142-82-5	400 ppm	400 ppm
Hexane	17	110-54-3	500 ppm	500 ppm
Propane	12	74-98-6	1000 ppm	1000 ppm

NON-HAZARDOUS INGREDIENTS

No IARC, NTP, OSHA and ACGIH listed carcinogens.

Section III - Hazards Identification

EYE CONTACT: Liquid or vapor can cause mild to severe irritation.

SKIN CONTACT: May dry the skin; prolonged contact may cause moderate irritation.

INHALATION: Respiratory irritation and Headaches.

INGESTION: Not a likely route of exposure.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, nausea, fatigue, drowsiness, impaired coordination.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OTHER HEALTH INFORMATION: No known carcinogens

Section IV - First Aid Procedures

EYE CONTACT: Flush with water for fifteen minutes. Seek medical attention

SKIN CONTACT: Wipe off with towel. Wash with soap and water. If irritation persist seek medical attention.

INHALATION: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

INGESTION: If swallowed, do not induce vomiting. Seek medical attention.

CARCINOGENICITY: No known carcinogens in this product.

Section V - Fire and Explosion Hazard Data

Flash Point (deg F): -156

Flammable or Explosive Limits (approximate % by volume in air) LEL: 1.2 UEL:9.5

EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical, Water Fog.

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 are preferred. Wear goggles and self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode from pressure build up when exposed to heat and discharge contents. Vapor accumulation can flash or explode if ignited. Over exposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

Section VI - Accidental Release Measures

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. Dispose of in accordance with local, state, and federal regulations.

Section VII - Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store and use in cool, dry, well-ventilated areas. Do not store above 120 deg F. Do not puncture or incinerate cans. Do not stick pins, nails or any other sharp objects into opening of can. Do not take internally.

OTHER PRECAUTIONS: Small pressured containers of flammable products may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources, and ventilation except that they should not be stored in basements.

Section VIII - Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical 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 limits.

PROTECTIVE GLOVES: None under normal use. Solvent resistant required for prolonged or repeated contact.

EYE PROTECTION: None under normal use. However, use of safety glasses with splash guards or full face shield is recommended.

OTHER PROTECTIVE EQUIPMENT: None under normal use. Use of solvent resistant aprons or other clothing is recommended.

WORK PRACTICES/ENGINEERING CONTROLS Eye wash and shower stations in the work place are recommended.

PERSONAL HYGIENE: Wash exposed skin and clothes after use.

Section IX- Physical/Chemical Characteristics

Boiling Point (deg F): -44 Specific Gravity (H₂O=1): 0.75 Vapor Pressure (mm Hg): 70

Melting Point (deg F): N/A Vapor Density (Air=1): Heavier than air Solubility in Water: NIL

Evaporation Rate (n-butyl Acetate=1): Slower than either

APPEARANCE AND ODOR: Aerosol Product

Section X - Reactivity Data

STABILITY: Stable

CONDITIONS TO AVOID: Application to hot surfaces. Storage above 120 Deg F. 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.

HAZARDOUS POLYMERIZATION: Will not occur.

Section XI - Toxicological Information

See Section IV

Section XII - Ecological Information

No chemicals in this product are subject to reporting requirements of section 313 of TITLE III and of 40 CFR 372.

Section XIII - Disposal Considerations

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.

Section XIV - Transport Information

Packaged as a consumer product. DOT regulated as an ORM-D

Section XV-Regulatory Information

SARA SECTION 313: This product contains 17% hexane, CAS 110-54-3.

WHMIS classification for product: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we received from sources outside our company and we believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.