

12164 - WHITE LITHIUM #2

PLEWS  
(6 pages)

**MATERIAL SAFETY DATA SHEET  
WHITE LITHIUM #2**

11350, 11354, 11355, 11356  
11357, 11358, 11359, 11360

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION 11395, 11487, 11488, 11363**

**TRADE NAME:** WHITE LITHIUM #2  
**PART No.:** MC 2705  
**APPLICATIONS:** Lubricating Grease  
**EMERGENCY TELEPHONE:** Info Trac - (800) 535-5053  
**SUPPLIER:** Chemtool Incorporated  
 8200 Ridgfield Road  
 P.O. Box 538  
 Crystal Lake, IL 60039-0538  
**TELEPHONE:** (815) 459-1250  
**FAX:** (815) 459-1955

**2. COMPOSITION, INFORMATION ON INGREDIENTS**

INGREDIENT NAME:	CAS No.:	CONTENTS :	EPA RC:	TPQ:
DISTILLATES, PETROLEUM, SEVERELY HYDROTREATED HEAVY NAPHTHENIC	64742-52-5	70-100%	N/A	N/A
ZINC OXIDE (ZnO)	1314-13-2	1-5%	N/A	N/A

**COMPOSITION COMMENTS:**

Refer to section eight for exposure limits on ingredients.  
 Chemical ingredients not regulated by OSHA or SARA are treated confidentially.

**3. HAZARDS IDENTIFICATION**

Exposure to vapors generated at high temperatures, may cause respiratory irritation. Not regarded as a health hazard under current legislation. For further information, please refer to section 11.

**CHRONIC EFFECTS:**

**SENSITIZATION:**

No known information.

**CARCINOGENICITY:**

IARC: Not listed. OSHA: Not regulated. NTP: Not listed.  
 \* NTP (National Toxicology Program)  
 \* IARC (International Agency for Research on Cancer)  
 \* OSHA (Occupational Safety and Health Administration)

**REPRODUCTION/TERATOGENICITY:**

No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

**HEALTH WARNINGS:**

**INHALATION.** Heating can generate vapors that may cause respiratory irritation, nausea and headaches. Inhalation hazard at room temperature is unlikely due to the low volatility of this product. **SKIN CONTACT.** Repeated or prolonged contact can result in drying of the skin. **EYE CONTACT.** Irritating. **INGESTION.** Can cause stomach ache and vomiting. Main hazard, if ingested, is aspiration into the lungs and subsequent pneumonitis.

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**ROUTE OF ENTRY:**

Inhalation. Skin and/or eye contact. Ingestion.

**MEDICAL SYMPTOMS:**

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Not determined

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**4. FIRST AID MEASURES**

- INHALATION:** Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor of hot product, immediately remove from source of exposure. Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. Get medical attention if any discomfort continues.
- INGESTION:** DO NOT INDUCE VOMITING! Get medical attention immediately!
- SKIN:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
- EYES:** Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

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**5. FIRE FIGHTING MEASURES**

**FLASH POINT (°F):** 435 Flash point of lowest oil. **METHOD:** Cd OC (Cleveland open cup).  
**FLAMMABILITY LIMIT - LOWER(%):** N/D  
**FLAMMABILITY LIMIT - UPPER(%):** N/D

**EXTINGUISHING MEDIA:**

Use: Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc. Alcohol resistant foam. Water spray, fog or mist.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

Pressure will increase in over heated, closed containers.

**HAZARDOUS COMBUSTION PRODUCTS:**

Oxides of: Carbon.

**PROTECTIVE MEASURES IN CASE OF FIRE:**

Self-contained breathing equipment and chemical resistant clothing recommended.

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**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:**

Minimize skin contact.

**PRECAUTIONS TO PROTECT THE ENVIRONMENT:**

Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.

**SPILL CLEAN-UP PROCEDURES:**

Keep all sources of ignition and hot metal surfaces away from spill. Avoid contact with eyes or skin. Place leaking containers in well ventilated area. If fire potential exists, blanket spill with foam or use water spray to disperse vapors. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean up spill, flush area sparingly with water or use absorbent material. Avoid discharge to natural water ways.

**7. HANDLING AND STORAGE****HANDLING PRECAUTIONS:**

Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Do not reuse container. Keep lid closed when not in use. Do not store or mix with strong oxidizers. Avoid spilling, skin and eye contact. Eye wash and emergency shower must be available at the work place.

**STORAGE PRECAUTIONS:**

Store separate from strong acids and oxidizers. Keep away from heat, sparks and open flame.

**STORAGE CRITERIA:**

Chemical storage.

**8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

INGREDIENT NAME:	CAS No.:	OSHA PEL:		ACGIH TLV:		OTHER:		UNITS:
		TWA:	STEL:	TWA:	STEL:	TWA:	STEL:	
DISTILLATES, PETROLEUM, SEVERELY HYDROTREATED HEAVY NAPHTHENIC	64742-52-5	5	N.E.	5	10	N/A	N/A	mg/m <sup>3</sup>
ZINC OXIDE (ZnO)	1314-13-2	10	N/A	10	N/A	N/A	N/A	mg/m <sup>3</sup> total dust

**PROTECTIVE EQUIPMENT:****ENGINEERING CONTROLS:**

Use engineering controls to reduce air contamination to permissible exposure level.

**VENTILATION:** No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

**RESPIRATORS:** No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

**PROTECTIVE GLOVES:**

Chemical resistant gloves recommended to prevent prolonged or repeated contact. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC, or latex.

**EYE PROTECTION:**

Wear splash-proof eye goggles to prevent any possibility of eye contact.

**PROTECTIVE CLOTHING:**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**HYGIENIC WORK PRACTICES:**

Wash at the end of each work shift and before eating, smoking and using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Grease.  
COLOR: White.  
ODOR: Mild (or faint), Petroleum.  
SOLUBILITY DESCRIPTION: Insoluble in water.  
SOLUBILITY VALUE (g/100g H<sub>2</sub>O 68°F): <0.1  
DENSITY/SPECIFIC GRAVITY (g/ml): ~0.90      TEMPERATURE (°F): 61  
VAPOR DENSITY (air=1): >5  
VAPOR PRESSURE: <0.01 mmHg      TEMPERATURE (°F): 68  
EVAPORATION RATE: <0.01      REFERENCE: BuAc-1

## 10. STABILITY AND REACTIVITY

STABILITY: Normally stable.

CONDITIONS TO AVOID:  
Avoid contact with acids and oxidizing substances.

HAZARDOUS POLYMERIZATION:  
Will not occur.

POLYMERIZATION DESCRIPTION:  
Not applicable

HAZARDOUS DECOMPOSITION PRODUCTS:  
Oxides of: Carbon.

## 11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:  
No experimental toxicological data on the preparation as such is available.

## 12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:  
There is no ecological data on the product itself.

BIOACCUMULATION:  
Not determined.

BIODEGRADABILITY:  
Not determined.

ACUTE AQUATIC TOXICITY:  
Not determined.

## 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:  
Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

U.S. DOT:  
 U.S. DOT HAZARD LABEL: No DOT label requirement noted  
 U.S. DOT CLASS: Not regulated.

SEA TRANSPORT:  
 INFORMATION ON SEA TRANSPORT: Not regulated

AIR TRANSPORT:  
 INFORMATION ON AIR TRANSPORT: Not regulated

## 15. REGULATORY INFORMATION

## REGULATORY STATUS OF INGREDIENTS:

NAME:	CAS No:	TSCA:	CERCLA:	SARA 302:	SARA 313:	DSL(CAN):
DISTILLATES, PETROLEUM, SEVERELY HYDROTREATED HEAVY NAPHTHENIC	64742-52-5	Yes	N/A	N/A	N/A	Yes
ZINC OXIDE (ZnO)	1314-13-2	Yes	N/A	N/A	N/A	Yes

US FEDERAL REGULATIONS:  
REGULATORY STATUS:

This Product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented): TSCA: The ingredients of this product are on the TSCA Inventory. SARA 311 Categories: NONE. SECTION 313: This product contains toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. Zinc compounds at 1 - 5%.

STATE REGULATIONS:  
STATE REGULATORY STATUS:

This product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented):. PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required.

CANADIAN REGULATIONS:  
REGULATORY STATUS:

This Material Safety Data Sheet has been prepared in compliance with the Controlled Product Regulations.

## 16. OTHER INFORMATION

## NFPA HAZARD RATING:

HEALTH: Irritation, minor residual injury (1)  
 FLAMMABILITY: Burns only if pre-heated (1).  
 REACTIVITY: N/A (0).  
 SPECIAL HAZARD: N/A

NPCA HMIS HEALTH: 0 Minimal Hazard  
 PERS. PROTECT. INDEX: B

PREPARED BY: Heather Holich

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DATE:

December 19, 2001

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**DISCLAIMER:**

While the information and recommendations set forth herein are believed to be accurate as of the date thereof, Chemical Incorporated makes no warranty with respect thereto and disclaims all liability from reliance thereon.

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