

MATERIAL SAFETY DATA SHEET

Lloyds Laboratories Inc.

RED HEAVY LITHIUM COMPLEX GREASE #2 - PART # 66701

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Red Heavy Lithium Complex Grease #2 **PRODUCT USE:** Lubricant

MANUFACTURER: Lloyds Laboratories Inc. **SUPPLIER:** Lloyds Laboratories Inc.

ADDRESS: 613 Neal Drive, Peterborough, Ontario, K9J 6X7 **ADDRESS:** 613 Neal Drive, Peterborough, Ontario, K9J 6X7

EMERGENCY #: 1 800 361-6766 **EMERGENCY #:** 1 800 361-6766

SECTION II: INFORMATION ON INGREDIENTS

| Ingredients | CAS# | Wt% | OSHA-TWA | ACGIH-TWA | LD ₅₀ |
|--|------------|--------|----------------|----------------|------------------|
| Lithium 12 Hydroxyoctadecanoate Sebacate Complex | 68815-49-6 | 7 – 10 | Not applicable | Not applicable | Not available |
| Zinc Alkyldithiophosphate | 68649-42-3 | <1.0 | Not applicable | Not applicable | Not available |

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry: Eye, skin contact, ingestion.

Potential Health Effects:

Eye Contact: May cause irritation to eyes.

Skin Contact: May cause irritation upon repeated/prolonged contact.

Inhalation: May cause slight nose, throat and respiratory tract irritation.

Ingestion: May cause irritation to mouth, esophagus and stomach. May cause gastric tract upset and/or damage.

Chronic Effects:

Carcinogenicity: No ingredients listed IARC or NTP or ACGIC. Non hazardous by WHMIS/OSHA criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: The ingredients in this product were found not to be mutagenic when tested by the Ames Assay, (OECD Guidelines for chemical testing, sec.471).

Skin: Repeated or prolonged exposures to dilutions can cause drying, defatting and dermatitis.

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SECTION IV: FIRST AID MEASURES

Eye Contact: Immediately flush with water for 15 minutes. Holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.

Skin Contact: Flush with soap and water. Remove contaminated clothing and launder before reuse.

Inhalation: Not applicable.

Ingestion: DO NOT INDUCE VOMITING. Seek medical attention.

SECTION V: FIRE FIGHTING MEASURES

Flammability: Non flammable. Product may burn if sprayed under pressure and atomized onto surface heated above combustion temperature.

Flash Point: Test Method D-92: 226°C (440°F).

Means of Extinction: As appropriate for surrounding fire. Use water fog, dry chemical, carbon dioxide, foam, earth or sand.

Special Fire Hazards: Fire fighters should wear self contained breathing apparatus as for surrounding fire.

Autoignition Temperature: Not applicable.

Flame Propagation or Burning Rate of Solid: Not applicable.

Sensitivity to Static Discharge: Not applicable.

Unusual Fire and Explosion Hazards: Water may cause frothing.

Hazardous Decomposition Products: CO & CO₂ if incomplete combustion.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Absorb with sand or inert material.
Sweep or scoop up and remove.
Dispose of in accordance with all local, provincial, /state and federal regulations.

SECTION VII: HANDLING AND STORAGE

Handling: Wash thoroughly after handling.
Do not get in eyes or on clothing.

Storage Requirements: Keep container closed.
Keep away from sparks, and open flames.
Normal precautions common to good manufacturing practices should be followed.
KEEP OUT OF REACH OF CHILDREN.

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SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Not normally required. Use Viton or Nitrile gloves to avoid prolonged or skin contact repeated.

Eye Protection: Safety glasses are recommended.

Respiratory Protection: Not normally required if good ventilation is maintained.

Other Protective Equipment: As required by employer code. Eye bath, safety shower, protective clothing.

Engineering Controls: General ventilation normally required.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

| | | | | | |
|---------------------------------|----------------|--------------------------------------|----------------|-------------------------|----------------|
| Physical State: | Gel | Odour and Appearance: Red gel | | Odour Threshold: | Not applicable |
| Vapour Pressure (mm Hg): | Not applicable | Vapour Density (Air=1): | Not applicable | Melting Point: | 260°C 500°F |
| % Volatile (Wt %): | 0% | Solubility in water(20°C): | None | Freezing Point: | -12°C 10°F |
| pH: | Not applicable | Specific Gravity: | .89 @ 16°C | Boiling Point: | 371°C 700°F |
| Coeff. Water/Oil Dist.: | Not applicable | Evaporation Rate (nBuAc=1): | Not applicable | | |

SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable under normal conditions.

Incompatible Materials: Strong Oxidizers.

Hazardous Decomposition Products: CO & CO₂ if incomplete combustion.

Conditions to avoid: Open flames.

SECTION XI: TOXICOLOGICAL INFORMATION

LD 50 values for individual components see section II.
Skin Sensitization (OECD Sec. 406) Non sensitizing.

SECTION XII: ECOLOGICAL INFORMATION

No data available on the adverse effects of this product on the environment.

SECTION XIII: DISPOSAL CONSIDERATIONS

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Dispose of in accordance to all local, provincial/state and federal regulations.

SECTION XIV: TRANSPORTATION

T.D.G. Classification: Not regulated.
D.O.T. Classification: Not regulated.

SECTION XV: REGULATORY INFORMATION

Occupational Health and Safety

Regulations:

WHMIS Class:

Not regulated.

OSHA & WHMIS:

MSDS prepared pursuant to the Hazard Communication Standard (CFR29.1920.1200) and Canadian WHMIS regulations.

Environmental Regulatory Lists:

SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372:

None of these ingredients are listed.

CERCLA – Section 102 (Reportable Quantity) 40 CFR 302:

None of the ingredients are listed.

RCRA 40 CFR 261 (Subpart D)

None of the ingredients are listed.

CLEAN WATER ACT – Section 311 (Reportable Qty) 40 CFR 116:

None of these ingredients are listed.

CLEAN AIR ACT – Section 312 (List of Hazardous Pollutants) 40 CFR 63 (Subpart C):

None of these ingredients are listed.

National Pollutant Release Inventory:

None of these ingredients are listed.

Toxic Substances Control Act (TSCA):

All ingredients are registered on the Chemical Substances Inventory.

Canadian Domestic Substance List (DSL):

All ingredients are registered on the DSL.

SECTION XVI: OTHER INFORMATION

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| Date: June 7, 2016 | Prepared By: Technical Services Group | Telephone: 1 800 361-6766 |
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Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of supplier, it is assumed that users of this material; have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST in Montreal, Quebec (514-873-3990).