

SAFETY DATA SHEET

Lloyds Laboratories Inc.
Red Lithium Grease - Part #61614

Issuing Date: August 30, 2017

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier:

Product Name Red Lithium Grease Aerosol.

Other Identification Means:

Part #

Use of Substance/Preparation and Restrictions:

Recommended Use: Lubricant.
Uses Advised Against: No information available.

SDS Supplier Details:

Company Name: Lloyds Laboratories Inc.
Company Identification: 613 Neal Drive
Peterborough, Ontario, K9J 6X7
Canada.
Company Telephone Number: 1-800-361-6766

24 Hour Telephone Number: CANUTEC 613-996-6666 or *666 for cell phone

2. HAZARDS IDENTIFICATION

Classification:

This product is considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CER 1910.1200) and WHMIS 2015.

GHS Label Elements, including precautionary statement:

Emergency Overview:

The product contains substances which at given concentrations, are considered to be hazardous to health.

Appearance: Clear

Physical State: Liquid

Odour: Solvent

Signal Word (GHS):

Danger.

Hazard Pictograms (GHS):



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Hazard Statements (GHS):

H222: Extremely flammable aerosol.

H225: Highly flammable liquid and vapour.

H280: Compressed gas.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H351: Suspected of causing cancers if inhaled.

H361: Suspected of damaging fertility or the unborn child.

H372: Causes damage to organs through prolonged or repeated exposure if inhaled.

Precautionary Statements (GHS) - Prevention:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, hot surfaces and direct sunlight. Keep away from heat/sparks/open flame and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P243: Take precautionary measures against static discharge.

P252: Do not pierce or burn, even after use.

P261+P271: Avoid breathing mist/vapours/spray, use in a well ventilated area.

P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements (GHS) - Response:

P301+P311+ P330: IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove /take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340+P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P337 + P313: If eye irritation persists: Get medical advice/attention.

Precautionary Statements (GHS) - Storage:

P403+P233+P235: Store in a well ventilated place. Keep container tightly closed. Keep cool.

P410+P403: Protect from sunlight. Do not expose to temperatures above 50 C/122 F.

Precautionary Statements (GHS) - Disposal:

P501: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical.

| Ingredient | CAS# | % by Wt | Classification |
|--------------|-----------|---------|----------------|
| Xylene | 1330-20-7 | 85 | * |
| Ethylbenzene | 100-41-4 | 15 | * |

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures:

Eye Contact:

Remove contacts. Flush with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact:

Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse. If skin irritation persists, get medical attention.

Inhalation:

Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, administer oxygen. Get medical attention.

Ingestion:

Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personnel. Never give anything to an unconscious person. Get medical aid.

Notes to Physician:

Treatment based on judgment of attending physician.

Most important symptoms and effects, both acute and delayed:

Skin irritation. Serious eye irritation. May cause respiratory irritation. May cause drowsiness and dizziness. Ingestion may cause nausea, vomiting and diarrhea. May cause damage to lungs, brain and central nervous system through prolonged or repeated exposure via inhalation. May be fatal if swallowed and enters airways. Suspected of damaging fertility or the unborn child.

Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

General Information:

Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water fog, CO2, extinguishing powder, foam.

**Unsuitable Extinguishing Media
Specific Exposure Hazards**

Do not use a heavy water stream as it may scatter and spread the fire. Flammable aerosol. Under fire conditions closed containers may rupture or explode. Bursting aerosol containers may be propelled from fire at high speed. Vapours may travel long distances along the ground before igniting/flashing back vapour to source.

Hazardous Combustion Products

None known.

Explosion Data:

Sensitivity to Mechanical Impact:

None.

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Sensitivity to Static Discharge: Static discharge, impact, friction, and heat may ignite exposed chemical material.

Special safety equipment: Self-contained positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

General Measures: Use personal protective equipment. Remove all sources of ignition.

Environmental Precautions:

Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

Method for Containment: Contain any spills with inert absorbent to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with inert absorbent and dispose of waste safely.

Procedures for Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

Procedures for Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Reference to Other Sections: See Heading 8. Exposure Controls and Personal Protection.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Use appropriate personal protection equipment (PPE).
Avoid inhalation, skin and eye contact.
Ensure good ventilation/exhaustion at the workplace.

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Vapours may form explosive mixtures with air. Flash back possible over considerable distance. Flammable aerosol. Under fire conditions closed containers may rupture or explode. Bursting aerosol containers may be propelled from fire at high speed. Vapours may travel long distances along the ground before igniting/flashing back vapour to source.

Information about fire and explosion protection: Keep respiratory protective device available.
No special measures required.

Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Store in a cool location.
Avoid storage near extreme heat or sources of ignition.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
Keep container tightly sealed.

Specific end use(s): If exposure exceeds occupational limits (TLV value) wear air purifying respirator.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters: No TLV data available on product.

Appropriate Engineering Controls:

Engineering Measures: Use only in well ventilated areas. Exhaust ventilation if used indoors on a continuous basis.

Individual Protection Measures:

Eye protection: Safety goggles.

Skin protection: Use body-covering impervious clothing.

Hand protection: Chemical resistant gloves.

Respiratory protection: If exposure cannot be controlled below applicable limits, use approved NIOSH aspirator.

Working hygiene: Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

Exposure Guidelines:

Xylene CAS # 1330-20-7: USA ACGIH (TWA) 100 ppm (8 hours)
USA ACGIH (STEL) 150 ppm (8 hours)
USA OSHA (PEL) 100 ppm (8 hours)
n-Butane 8 Hr TWA PEL not available TLV (ACGIH) 250 ppm
Propane 8 Hr TWA PEL 1000 ppm TLV (ACGIH) Aspyx

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | | | |
|-----------------------|---------|------------------------|---------------------------|
| Physical State | Liquid. | Odour | Solvent. |
| Appearance | Clear. | Odour Threshold | No information available. |
| Colour | Red. | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks/Method</u> |
|-----------------------------------|--------------------------|-----------------------|
| pH | Not applicable. | None known. |
| Melting/Freezing Point | No data available. | None known. |
| Boiling Point/Range | No data available. | None known. |
| Flash Point | No data available. | None known. |
| Evaporation Rate | No data available. | None known. |
| Flammability (solid, gas) | Flammable. | None known. |
| Flammability Limit in Air: | | |
| Upper Limit | No data available. | None known. |
| Lower Limit | No data available. | None known. |
| Vapour Pressure | No data available. | None known. |
| Vapour density | No data available. | None known. |
| Specific Gravity | 0.87 g/cm ³ . | |
| Water Solubility | Insoluble. | None known. |
| Solubility Other Solvents | No data available. | None known. |
| Partition Coefficient: | | |
| n-octanol/water | No data available. | None known. |
| Autoignition temperature | No data available. | None known. |
| Decomposition Temperature | No data available. | None known. |
| Kinematic Viscosity | No data available. | None known. |
| Dynamic Viscosity | No data available. | None known. |
| Explosive Properties | No data available. | None known. |
| Oxidizing Properties | No data available. | None known. |

Other Properties:

| | |
|-----------------------------------|--------------------|
| Softening Point | No data available. |
| VOC Content % | No data available. |
| Particle Size | No data available. |
| Particle Size Distribution | No data available. |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Reactivity: | Avoid contact with incompatibles. |
| Chemical Stability: | Stable at normal conditions of usage. |
| Possibility of Hazardous Reactions: | Will not occur. |
| Hazardous Polymerization: | Does not occur. |
| Conditions to avoid: | Avoid ignition sources, heat, sparks, open flame, direct sunlight, extremely high or low temperatures. |
| Incompatible materials: | Strong oxidizers. |

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Hazardous Decomposition Products:

CO,CO2, Hydrocarbons.

Thermal Decomposition / Conditions to be avoided:

Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information

Inhalation

Inhalation of mist can cause drowsiness, damage to lungs, brain and central nervous system.

Eye Contact

Direct contact causes irritation. May cause corneal injury.

Skin Contact

May cause irritation, Prolonged or repeated contact may cause irritation, drying and cracking.

Ingestion

Harmful if swallowed. Will cause abdominal discomfort, nausea, vomiting and diarrhea. May be fatal if swallowed and enters airways.

Component Information:

Chemical Name

Oral LD50

Inhalation LC50

Xylene

4300 ppm

6500 mg/kg 8 hours

Information on Toxicological Effects:

Symptoms

None known.

Delayed/Immediate/Chronic Effects from short and long term exposure:

Sensitization

None known.

Mutagenic Effects

None known.

Carcinogenicity

Ethylbenzene is classified as carcinogenic by IARC (Group 2B) and ACGIH (Category A3).

Reproductive Toxicity

Suspected of damaging the unborn child. Xylene may cause fetotoxic effects (e.g. reduced fetal weight, delayed ossification, behavioral effects) at doses which are not maternally toxic, based on animal data.

STOT- Single Exposure

None known.

STOT Repeated exposure

None known.

Chronic Toxicity

None known.

Target Organ Effects

None Known.

Numerical Measures of Toxicity (based on GHS Chapter 3.1)

Not applicable.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Not classified.

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Persistence and Degradability: No information available.
Bioaccumulative Potential: No information available.
Mobility in Soil: No information available.
Other Adverse Effects: No information available.
Other Information: Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal Methods

Contaminated Packaging:

Ecology – Waste Materials:

This material, as supplied, is a hazardous waste according to Federal regulations (40 CFR 261). It is the responsibility of the waste generator to determine the proper waster identification and disposal method. Consult the appropriate state, provincial, regional, or local regulations for additional requirements.

Dispose of contents/containers in accordance with local regulations.

Avoid release to the environment.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT): Limited quantity. UN 1950 Aerosols, Class 2.1.

Canadian TDG (Road & Rail): Limited quantity. UN 1950 Aerosols, Class 2.1.

15. REGULATORY INFORMATION

International Inventories:

TSCA

Complies.

DSL

All components are listed either on the DSL or NDSL.

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List.

HMIS III Rating

Health: 3 Hazard.

Flammability: 3 Serious Hazard.

Physical: 0 Minimal Hazard.

Personal Protection: B.

16. OTHER INFORMATION

Prepared By: Technical department

Issuing Date: August 30, 2017

Revision Date: None.

Revision Note: None.

Disclaimer:

Date: August 30, 2017

SDS Lloyds Laboratories Inc. Red Lithium Grease Aerosol

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The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet