# White Lithium Grease

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** White Lithium Grease

**Part number** TNDS8003

**Product Family** Grease solution (non-chlorinated)

**Manufacturer** Shrader Canada Limited
830 Progress Court
Oakville, ON L6L 6K1
+1.905.847.0222
www.shradercanada.com

**Emergency Contact Information** CANUTEC, +1.613.996.6666, Operation hours: 24/7

**Use** General purpose lubricant

## 2. HAZARDS IDENTIFICATION

### Potential Health Effects

**Route of Exposure** Inhalation;
Skin contact;
Eye contact;
Ingestion.

**Inhalation** At high concentrations: can irritate the nose and throat.

**Skin Contact** SKIN IRRITANT. May cause moderate to severe irritation.

**Eye Contact** May cause mild irritation.

**Ingestion** If large amounts are ingested: can harm the nervous system. Aspiration hazard.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Concentration % | Other Identifiers |
|---|---|---|---|
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | 30-60 | heptane |
| Liquified petroleum gas | 68476-85-7 | 10-30 | |

## 4. FIRST AID MEASURES

### First Aid Procedures

**Inhalation** Move victim to fresh air. Call a Poison Centre or doctor if the victim feels unwell.

**Skin Contact** Quickly take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes. Call a Poison Centre or doctor if the victim feels unwell.

**Eye Contact** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, DO NOT delay flushing or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Take care not to rinse contaminated water into the unaffected eye or onto the face. If irritation or pain persists, see a doctor.

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| **Ingestion** | Have victim rinse mouth with water. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. If breathing has stopped, trained personnel should immediately begin artificial respiration (AR). Immediately call a Poison Centre or doctor. |

## 5. FIRE FIGHTING MEASURES

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| **Flammable Properties** | FLAMMABLE AEROSOL. |
| **Suitable Extinguishing Media** | Carbon dioxide, dry chemical powder or appropriate foam. |
| **Unsuitable Extinguishing Media** | DO NOT use water or water-based extinguishing agents. |
| **Specific Hazards Arising from the Chemical** | Gas or vapour may accumulate in hazardous amounts in low-lying areas especially inside confined spaces, resulting in a fire hazard. Gas or vapour may travel a considerable distance to a source of ignition and flash back to a leak or open container.<br>Very toxic carbon monoxide, carbon dioxide; corrosive sulfur oxides; corrosive, oxidizing nitrogen oxides; corrosive phosphorous oxides. and other unidentified organic compounds. |
| **Protective Equipment and Precautions for Firefighters** | Use extreme caution. Fight fire from a safe distance or a protected location. |

## 6. ACCIDENTAL RELEASE MEASURES

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| **Personal Precautions** | Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Vapour or gas may accumulate in hazardous amounts in low-lying areas especially inside confined spaces, if ventilation is not sufficient. Distant ignition and flashback are possible. |
| **Environmental Precautions** | Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. |
| **Methods for Containment and Clean-up** | Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. |

## 7. HANDLING AND STORAGE

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| **Handling** | Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Do not weld, cut or perform hot work on empty container until all traces of product have been removed. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. |
| **Storage** | Store in an area that is: cool, dry, well-ventilated, out of direct sunlight and away from heat and ignition sources. |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| **Engineering Controls** | Sufficient mechanical ventilation to maintain exposures below the TLV. Under normal conditions of use, general ventilation should be satisfactory. Local ventilation is recommended if the product is misted or used in a confined space or if the TLV is exceeded. Make up air should always be supplied to balance air exhausted. |

**Personal Protective Equipment (PPE)**

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| **Eye/Face Protection** | Not required but it is good practice to wear safety glasses or chemical safety goggles. |
| **Skin Protection** | Wear chemical protective clothing e.g. gloves, aprons, boots.<br>Suitable materials are: neoprene rubber, nitrile rubber. |
| **Respiratory Protection** | Not normally required if product is used as directed. |
| **General Hygiene Considerations** | It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Do NOT smoke in work areas. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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| **Appearance** | White Aerosol. |
| **Odour** | mild |
| **Molecular Weight** | Not available |
| **Boiling Point** | Not available |
| **Relative Density (water = 1)** | 0.75 at 15 ºC |
| **Solubility in Water** | Negligible |
| **pH** | Not applicable |
| **Partition Coefficient, n-Octanol/Water** | Not available |
| **Viscosity-Kinematic** | 1.23 centistokes |
| **Vapour Pressure** | Not available |
| **Vapour Density (air = 1)** | > 1 |
| **Flash Point** | 7 ºC |
| **Lower Flammable/Explosive Limit** | Not available |
| **Upper Flammable/Explosive Limit** | Not available |
| **VOC %** | 80 |
| **Flame projection** | > 100 cm flashback |
| **NFPA Classification** | Aerosol, level 3 |

## 10. STABILITY AND REACTIVITY

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| **Chemical Stability** | Normally stable. |
| **Conditions to Avoid** | Open flames, sparks, static discharge, heat and other ignition sources. |
| **Incompatible Materials** | Increased risk of fire and explosion on contact with: strong oxidizing agents (e.g. perchloric acid). |
| **Hazardous Decomposition Products** | Very toxic carbon monoxide, carbon dioxide; corrosive sulfur oxides; corrosive, oxidizing nitrogen oxides; corrosive phosphorous oxides. and other unidentified organic compounds. |
| **Possibility of Hazardous Reactions** | None known. |

## 11. TOXICOLOGICAL INFORMATION

**General Comments**

Information presented below is for the entire product, unless otherwise specified.

**LC50/LD50 Values**

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|---|---|---|---|
| Naphtha (petroleum), | Not available | 5000 mg/kg | 2000 mg/kg |

| | | | |
|---|---|---|---|
| hydrotreated light | | | |

**Skin Irritation/Corrosion**

There is limited evidence of moderate or severe irritation.

**Eye Irritation/Corrosion**

There is limited evidence of mild irritation.

**Effects of Short-Term (Acute) Exposure**

**Inhalation**

At high concentrations: may cause depression of the central nervous system, nose and throat irritation.

**Ingestion**

If large amounts are ingested: may cause irritation of the mouth, throat and stomach.

**Respiratory and/or Skin Sensitization**

Not a respiratory sensitizer.
Not a skin sensitizer.

**Carcinogenicity**

| Chemical Name | ACGIH® | IARC | NTP | OSHA |
|---|---|---|---|---|
| Liquified petroleum gas | Not Listed | Not Listed | Not Listed | Not Listed |

No information was located for: Carcinogenicity, Teratogenicity / Embryotoxicity, Reproductive Toxicity, Mutagenicity, Toxicologically Synergistic Materials

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Toxic to aquatic life.

## 13. DISPOSAL CONSIDERATIONS

Empty containers retain product residue. Follow label warnings even if container appears to be empty. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container. Dispose of in accordance with municipal, provincial/state or federal regulations.

## 14. TRANSPORT INFORMATION

### Shipping Information

| Regulation | UN No. | Shipping Name | Class | Packing Group |
|---|---|---|---|---|
| Canadian TDG | UN1950 | Aerosols | 2.1 | |
| IMDG | UN1950 | Aerosols | 2.1 | |
| ICAO/IATA | UN1950 | Aerosols, flammable | 2.1 | |

### Other Transport Information

**Special Shipping Information** Not applicable

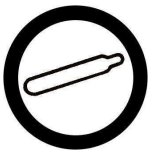
**Emergency Response Guide No.** 126 EmS F-D, S-U

**Other Information** Product may ship as LTD QTY if TDG, ICAO/IATA or IMDG Limited Quantity provisions are met.
ICAO/IATA PI Y203/203

## 15. REGULATORY INFORMATION

### Canada

**WHMIS Classification**


Class A


Class B5


Class D2B

A - Compressed Gas; B5 - Flammable Aerosol; D2B - Toxic

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL/NDSL.

## 16. OTHER INFORMATION

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|---|---|
| **NFPA Rating** | **Health - 1 Flammability - 4 Instability - 3** |
| **MSDS Prepared By** | Regulatory Compliance |
| **Phone No.** | 800.201.9486 |
| **Date of Preparation** | January 02, 2018 |
| **Key to Abbreviations** | ACGIH® = American Conference of Governmental Hygienists<br>CANUTEC = Canadian Transport Emergency Centre<br>CAS = Chemical Abstract Service<br>CCOHS = Canadian Centre for Occupational Health & Safety<br>CNS = Central nervous system<br>GESTIS = GESTIS Substance Database<br>HSDB® = Hazardous Substances Data Bank<br>IARC = International Agency for Research on Cancer<br>ICAO = International Civil Aviation Organization<br>IMDG = International Maritime Dangerous Goods Code<br>LC = Lethal concentration<br>LC = Lethal dose<br>NFPA = National Fire Protection Association<br>NTP = National Toxicology Program<br>OSHA = US Occupational Safety and Health Administration<br>PPM = Parts per million<br>RTECS® = Registry of Toxic Effects of Chemical Substances<br>STEL = Short term exposure limit<br>TDG = Transportation of Dangerous Goods Regulations (Canada)<br>TWA = Time weighted average |
| **References** | Material safety data sheet from manufacturer.<br>CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).<br>HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).<br>Registry of Toxic Effects of Chemical Substances (RTECS®) database. Accelrys, Inc. Available from Canadian Centre for Occupational Health and Safety (CCOHS).<br>ECHA - European Chemical Agency, Classification and Labelling Inventory<br>GESTIS Substance Database<br>OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015. |
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