

### 1. Product and Company Identification

**Product Code:** C-GR22  
**Product Name:** Heavy Duty Lithium Grease  
**Company Name:** CYCLO INDUSTRIES, INC.  
902 SOUTH US HIGHWAY 1  
JUPITER, FL 33477  
**Phone Number:** (800)843-7813

**Web site address:** www.cyclo.com

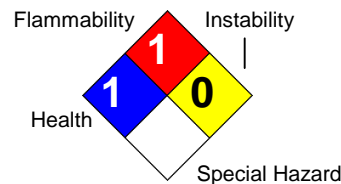
**Emergency Contact:** First Aid Emergency (800)222-1222  
CHEMTREC (703) 527-3887 (800)424-9300

**Information:** First Aid Emergency (Outside U.S.) (312)906-6194

### 2. Hazards Identification

**Emergency Overview:** **WARNING: Eye & skin irritant.**

**Hazard Rating System:**



**Potential Health Effects (Acute and Chronic):** Inhalation: Vapor overexposure may irritate eyes, nose and throat.

Skin Contact: A single short exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately.

Eye Contact: Direct contact irritates moderately with redness and swelling.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
64742-54-7	Distillates (petroleum), Hydrotreated heavy paraffinic	<30.0 %
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	<50.0 %
19210-06-1	Phosphorodithioic acid, zinc salt	> 3.0 %
106-14-9	Octadecanoic acid, 12-hydroxy-	<10.0 %
1310-66-3	Lithium hydroxide monohydrate	< 2.0 %
NA	Minor Additives Mixture	> 3.0 %

**4. First Aid Measures**

**Emergency and First Aid Procedures:** If swallowed, do not induce vomiting. Give plenty of water. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. In case of skin contact, remove from skin and wash thoroughly with soap and water or waterless cleanser. Remove and launder contaminated clothing. In case of eye contact, immediately flush with water for 15 minutes. Call physician immediately if adverse reaction occurs.

**5. Fire Fighting Measures**

**Flash Pt:** > 374.00 F (190.0 C)  
**Explosive Limits:** LEL: No data. UEL: No data.  
**Autoignition Pt:** No data.  
**Suitable Extinguishing Media:** Carbon dioxide, dry chemical, foam.  
**Fire Fighting Instructions:** Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount is involved, evacuate area.  
**Flammable Properties and Hazards:** No data available.

**6. Accidental Release Measures**

**Steps To Be Taken In Case Material Is Released Or Spilled:** Soak up with an absorbent such as clay, sand or other suitable materials. Dispose of properly. Use judgment when cleaning large spills. Shut off source of leak, dike and contain.

**7. Handling and Storage**

**Precautions To Be Taken in Handling:** Minimize skin contact. Wash with soap and water before eating, drinking or smoking. Keep out of the reach of children.  
**Precautions To Be Taken in Storing:** Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

**8. Exposure Controls/Personal Protection**

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-54-7	Distillates (petroleum), Hydrotreated heavy paraffinic	No data.	No data.	No data.
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No data.	No data.	No data.
19210-06-1	Phosphorodithioic acid, zinc salt	No data.	No data.	No data.
106-14-9	Octadecanoic acid, 12-hydroxy-	No data.	No data.	No data.
1310-66-3	Lithium hydroxide monohydrate	No data.	No data.	No data.
NA	Minor Additives Mixture	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere supplying respirator or an air-purifying respirator for organic vapors.

**Eye Protection:** Safety goggles.

**Protective Gloves:** Chemical resistant gloves.

**Other Protective Clothing:** Wear protective clothing as required to minimize skin contact.

**Engineering Controls (Ventilation etc.):** No data available.

**9. Physical and Chemical Properties**

**Physical States:** [ ] Gas [ X ] Liquid [ X ] Solid  
**Appearance and Odor:** Gold grease with mineral oil odor.  
**Melting Point:** No data.  
**Boiling Point:** >= 500.00 F (260.0 C)  
**Autoignition Pt:** No data.  
**Flash Pt:** > 374.00 F (190.0 C)  
**Explosive Limits:** LEL: No data. UEL: No data.  
**Specific Gravity (Water = 1):** .948  
**Vapor Pressure (vs. Air or mm Hg):** No data.  
**Vapor Density (vs. Air = 1):** No data.  
**Evaporation Rate:** No data.  
**Solubility in Water:** Negligible  
**Percent Volatile:** < 5.0 %

**10. Stability and Reactivity**

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Sparks and open flame.  
**Incompatibility - Materials To Avoid:** Strong oxidizers.  
**Hazardous Decomposition Or Byproducts:** No data available.  
**Polymer:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

**11. Toxicological Information**

**Toxicological Information:** No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64742-54-7	Distillates (petroleum), Hydrotreated heavy paraffinic	64742-54-7 n.a.	n.a.	n.a.	n.a.
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5 n.a.	n.a.	n.a.	n.a.
19210-06-1	Phosphorodithioic acid, zinc salt	n.a.	n.a.	n.a.	n.a.
106-14-9	Octadecanoic acid, 12-hydroxy-	n.a.	n.a.	n.a.	n.a.
1310-66-3	Lithium hydroxide monohydrate	1310-66-3 n.a.	n.a.	n.a.	n.a.
NA	Minor Additives Mixture	n.a.	n.a.	n.a.	n.a.



## 12. Ecological Information

No data available.

## 13. Disposal Considerations

**Waste Disposal Method:** Disposal should be made in accordance with federal, state and local regulations.

## 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not-Restricted

**DOT Hazard Class:**

**UN/NA Number:**

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Not-Restricted

## 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64742-54-7	Distillates (petroleum), Hydrotreated heavy paraffinic	No	No	No
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No	No	No
19210-06-1	Phosphorodithioic acid, zinc salt	No	No	Yes-Cat. N982
106-14-9	Octadecanoic acid, 12-hydroxy-	No	No	No
1310-66-3	Lithium hydroxide monohydrate	No	No	No
NA	Minor Additives Mixture	No	No	No

**CAS # Hazardous Components (Chemical Name)**

**Other US EPA or State Lists**

64742-54-7	Distillates (petroleum), Hydrotreated heavy paraffinic	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
19210-06-1	Phosphorodithioic acid, zinc salt	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes - Cat.; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
106-14-9	Octadecanoic acid, 12-hydroxy-	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
1310-66-3	Lithium hydroxide monohydrate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1128; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
NA	Minor Additives Mixture	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI



# MATERIAL SAFETY DATA SHEET

## Heavy Duty Lithium Grease

CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No;  
PA HSL: No; SC TAP: No; WI Air: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
64742-54-7	Distillates (petroleum), Hydrotreated heavy paraffinic	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: No
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: No
19210-06-1	Phosphorodithioic acid, zinc salt	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: No
106-14-9	Octadecanoic acid, 12-hydroxy-	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: No
1310-66-3	Lithium hydroxide monohydrate	Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: No
NA	Minor Additives Mixture	Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: No

## 16. Other Information

**Additional Information About This Product:** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

Cyclo Industries, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. Cyclo Industries, Inc. makes no representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, Cyclo Industries, Inc. will not be responsible for damages resulting from use of or reliance upon this information.