

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

### Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** C305  
**Product Name:** Z-Lube
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- |                          |   |                                       |
|--------------------------|---|---------------------------------------|
| <b>Company Name:</b>     | CYCLO INDUSTRIES, INC.<br>902 SOUTH US HIGHWAY 1<br>JUPITER, FL 33477 | <b>Phone Number:</b><br>(800)843-7813 |
| <b>Web site address:</b> | www.cyclo.com   |                                       |
| <b>Information:</b>      | First Aid Emergency (Outside U.S.)                                    | (312)906-6194                         |
- 1.4 Emergency telephone number:**
- |                           |  |                                |
|---------------------------|--|--------------------------------|
| <b>Emergency Contact:</b> | First Aid Emergency<br>CHEMTREC (703) 527-3887 | (800)752-7869<br>(800)424-9300 |
|---------------------------|--|--------------------------------|

### Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:**  
 Germ Cell Mutagenicity, Category 1B  
 Carcinogenicity, Category 1B  
 Aspiration Toxicity, Category 1  
 Skin Corrosion/Irritation, Category 2  
 Target Organ Systemic Toxicity (single exposure), Category 3  
 Aquatic Toxicity (Chronic), Category 2  
 Flammable Liquids, Category 3
- 2.1.2 Classification according to Directive 1999/45/EC:**
- 2.2 Label Elements:**
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:**

- H226: Flammable liquid and vapor.
- H315: Causes skin irritation.
- H336: May cause drowsiness or dizziness.
- H340: May cause genetic defects.
- H350: May cause cancer.
- H304: May be fatal if swallowed and enters airways.
- H411: Toxic to aquatic life with long lasting effects.
- Contents under pressure. May explode if heated.

**GHS Precaution Phrases:**

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- P240: Ground/bond container and receiving equipment.
- P241: Use explosion-proof electrical/ventilating/lighting equipment.
- P243: Take precautionary measures against static discharge.
- P242: Use only non-sparking tools.

- P261: Do not breathe dust/fumes/gas/mist vapours/spray.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P281: Use personal protective equipment as required.  
 P271: Use only outdoors or in a well-ventilated area.  
 P273: Avoid release to the environment.

### GHS Response Phrases:

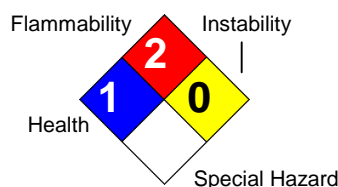
- P370+378: In case of fire, use foam, CO<sub>2</sub>, dry chemical or water fog to extinguish.  
 P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P331: Do NOT induce vomiting.  
 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P332+313: If skin irritation occurs, get medical advice/attention.  
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+313: If eye irritation persists, get medical advice/attention.  
 P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

### GHS Storage and Disposal Phrases:

- P405: Store locked up.  
 P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

## 2.2.2 Labeling according to Directive 1999/45/EC:

### Hazard Rating System:



## 2.3 Adverse Human Health Effects and Symptoms:

**Medical Conditions** None known when used as directed.

**Generally Aggravated**

**By Exposure:**

## Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
64742-65-0	Mineral oil	30.0 -40.0 %	265-169-7 649-474-00-6	T; R45 Carcinogen 1B: H350
64742-47-8	Hydrotreated light distillate (petroleum)	30.0 -40.0 %	265-149-8 649-422-00-2	Xn; R65 Asp. Toxic. 1: H304
8052-41-3	Stoddard solvent	20.0 -30.0 %	232-489-3 649-345-00-4	T; R45-65 Asp. Toxic. 1: H304 Mutagen 1B: H340 Carcinogen 1B: H350
124-38-9	Carbon dioxide	1.0 -5.0 %	204-696-9 NA	No phrases apply. No data available.

### Section 4. First Aid Measures

- 4.1 Description of First Aid Measures:** If swallowed, do not induce vomiting. If inhaled, remove victim to fresh air. Apply artificial respiration if needed. In case of eye contact, immediately flush eyes with water for at least 15 minutes. In case of skin contact, remove contaminated clothing and wash skin with soap and water. Call physician immediately if adverse reaction occurs.
- 4.2 Important Symptoms and Effects, Both Acute and Delayed:**
- Inhalation: Irritation of respiratory tract, headache, dizziness, fatigue.
  - Ingestion: Irritation of gastro-intestinal tract, nausea, diarrhea, vomiting.
  - Eye: Irritation or burning sensation.
  - Skin: Irritation or reddening.

### Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Foam, CO2, dry chemical, water fog.
- 5.2 Flammable Properties and Hazards:** Water spray may be used to cool containers to prevent pressure build up & explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Closed containers may explode from internal pressure build up when exposed to extreme heat & discharge contents. Vapor accumulation can flash or explode if ignited.
- Flammability Classification:** NFPA Level 3 Aerosol
- Flash Pt:** 105.00 F (40.6 C)    Method Used: TAG Closed Cup
- Explosive Limits:** LEL: .7                      UEL: 10
- Autoignition Pt:** No data.
- 5.3 Fire Fighting Instructions:** Use NIOSH self-contained breathing apparatus in confined areas.

### Section 6. Accidental Release Measures

- 6.3 Methods and Material For Containment and Cleaning Up:** Eliminate all ignition sources (vapor flammable). Ventilate area. At area where vapors may collect, wear SCBA breathing apparatus. Small spills should be flushed with large amounts of water. Large spills should be absorbed on non-flammable absorbent material for disposal.

### Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Do not puncture or incinerate cans. Do not spray in eyes. Keep out of reach of children.
- 7.2 Precautions To Be Taken in Storing:** Store & use in cool, dry, well ventilated areas. Vapors may cause flash fire. Keep away from heat, sparks & flame. Do not store above 120F.

### Section 8. Exposure Controls/Personal Protection

**8.1 Exposure Parameters:**

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
64742-65-0	Mineral oil	No data.	No data.	No data.
64742-47-8	Hydrotreated light distillate (petroleum)	No data.	No data.	No data.
8052-41-3	Stoddard solvent	No data.	No data.	No data.
124-38-9	Carbon dioxide	TWA: 9150 mg/m3 (5000 ppm) STEL: 27400 mg/m3 (15000 ppm)	TWA: 9000 mg/m3 (5000 ppm)	TWA: 9000 mg/m3



# SAFETY DATA SHEET

## Z-Lube

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-65-0	Mineral oil	No data.	No data.	No data.
64742-47-8	Hydrotreated light distillate (petroleum)	No data.	TLV: 200 mg/m <sup>3</sup>	No data.
8052-41-3	Stoddard solvent	PEL: 500 ppm	TLV: 100 ppm	No data.
124-38-9	Carbon dioxide	PEL: 5000 ppm	TLV: 5000 ppm STEL: 30,000 ppm	No data.

### 8.2 Exposure Controls:

**8.2.1 Engineering Controls (Ventilation etc.):** Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit & LEL below stated limit.

### 8.2.2 Personal protection equipment:

**Eye Protection:** Use of safety glasses with splash guards or full face shield is recommended.

**Protective Gloves:** Solvent resistant gloves required for prolonged or repeated contact.

**Other Protective Clothing:** No data available.

**Respiratory Equipment (Specify Type):** Avoid breathing vapors. Use with adequate ventilation equal to out of doors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles & vapor. In confined areas use approved air line type respirator or hood. Self contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

**Work/Hygienic/Maintenance Practices:** Eye washes & safety showers in the workplace are recommended.

## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Aerosol product.

**Melting Point:** No data.

**Boiling Point:** 310.00 F (154.4 C) - 500.00 F (260.0 C)

**Flash Pt:** 105.00 F (40.6 C) Method Used: TAG Closed Cup

**Evaporation Rate:** No data.

**Explosive Limits:** LEL: .7 UEL: 10

**Vapor Pressure (vs. Air or mm Hg):** No data.

**Vapor Density (vs. Air = 1):** No data.

**Specific Gravity (Water = 1):** 0.82

**Solubility in Water:** NIL

**Autoignition Pt:** No data.

### 9.2 Other Information

**Percent Volatile:** 25.0 % by weight.

**Section 10. Stability and Reactivity**

- 10.1 Reactivity:** No data available.
- 10.2 Stability:** Unstable [ ] Stable [ X ]
- 10.3 Conditions To Avoid - Hazardous Reactions:** No data available.
- Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]
- 10.4 Conditions To Avoid - Instability:** Application to hot surfaces. Storage above 120F. Exposure to open flame.
- 10.5 Incompatibility - Materials To Avoid:** Strong oxidizing agents.
- 10.6 Hazardous Decomposition Or Byproducts:** May produce fumes when heated to decomposition. Fumes may contain carbon monoxide & other toxic fumes.

**Section 11. Toxicological Information**

- 11.1 Information on Toxicological Effects:** No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64742-65-0	Mineral oil	n.a.	n.a.	n.a.	n.a.
64742-47-8	Hydrotreated light distillate (petroleum)	n.a.	n.a.	A4	n.a.
8052-41-3	Stoddard solvent	n.a.	n.a.	n.a.	n.a.
124-38-9	Carbon dioxide	n.a.	n.a.	n.a.	n.a.

**Section 12. Ecological Information**

**Section 13. Disposal Considerations**

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

**Section 14. Transport Information**

**14.1 LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Consumer Commodity  
**DOT Hazard Class:** ORM-D ORM-D  
**UN/NA Number:**

**14.1 LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:**  
**UN Number:**  
**Hazard Class:** N.A.

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

**IMDG/IMO Shipping Name:** Aerosols, Ltd. Qty.  
**UN Number:** 1950  
**Hazard Class:** N.A.  
**Packing Group:**  
**IMDG Classification:** 2.1



**14.3 AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Aerosols, flammable, Ltd. Qty., 2.1

**UN Number:** 1950

**Hazard Class:** N.A.

**IATA Classification:**

2.1

**Section 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)
64742-65-0	Mineral oil	No	No	No
64742-47-8	Hydrotreated light distillate (petroleum)	No	No	No
8052-41-3	Stoddard solvent	No	No	No
124-38-9	Carbon dioxide	No	No	No

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

**Other US EPA or State Lists**

64742-65-0	Mineral oil	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
64742-47-8	Hydrotreated light distillate (petroleum)	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
8052-41-3	Stoddard solvent	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1736; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes
124-38-9	Carbon dioxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 0343; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes

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

**International Regulatory Lists**

64742-65-0	Mineral oil	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
64742-47-8	Hydrotreated light distillate (petroleum)	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
8052-41-3	Stoddard solvent	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
124-38-9	Carbon dioxide	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

**European Community Hazard Symbol codes:**

**European Community Risk and Safety Phrases:**

No data available.

**Section 16. Other Information**

**Revision Date:** 03/12/2014

**Additional Information About** NOT FOR SALE IN CA.

**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



# SAFETY DATA SHEET

## Z-Lube

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.