

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:** C33D  
**Product Name:** Silicone Lubricant, 55 Gal
- 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> | (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     | (800)752-7869 |
|                           | CHEMTREC (703) 527-3887 | (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]:**  
**Flammable Liquids, Category 2**  
**Skin Corrosion/Irritation, Category 2**  
**Target Organ Systemic Toxicity (single exposure), Category 3**  
**Aspiration Toxicity, Category 1**  
**Aquatic Toxicity (Acute), Category 1**  
**Aquatic Toxicity (Chronic), Category 1**
- 2.2 Label Elements:**
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:**

**GHS Signal Word:** Danger**GHS Hazard Phrases:**

H225: Highly flammable liquid and vapor.  
H315: Causes skin irritation.  
H335: May cause respiratory irritation.  
H304: May be fatal if swallowed and enters airways.  
H320: Causes eye irritation.  
H410: Very toxic to aquatic life with long lasting effects.

**GHS Precaution Phrases:**

P233: Keep container tightly closed.  
P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
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.  
P264: Wash hands thoroughly after handling.  
P362+364: Take off contaminated clothing and wash it before reuse.  
P271: Use only outdoors or in a well-ventilated area.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P273: Avoid release to the environment.

### GHS Response Phrases:

P370+378: In case of fire, use foam, alcohol foam, CO<sub>2</sub>, dry chemical or water fog to extinguish.

P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P332+313: If skin irritation occurs, get medical advice/attention.

P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331: Do NOT induce vomiting.

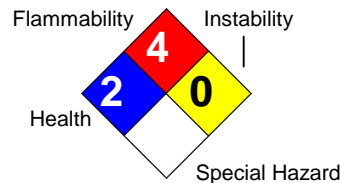
P391: Collect spillage.

### GHS Storage and Disposal Phrases:

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

P403+233: Store container tightly closed in well-ventilated place.

### Hazard Rating System:



### 2.3 Adverse Human Health INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

**Effects and Symptoms:** RESPIRATORY IRRITATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED CO-ORDINATION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN: CONTACT MAY DRY THE SKIN; PROLONGED CONTACT MAY CAUSE IRRITATION. EYES: LIQUID OR VAPOR CAN IRRITATE.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NOT EASILY ABSORBED. SOLVENT ACTION CAN DRY AND DEFAT THE SKIN CAUSING THE SKIN TO CRACK, LEADING TO DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NOT A LIKELY ROUTE OF EXPOSURE. IF SWALLOWED, DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: EYE IRRITANT. SKIN IRRITANT. NARCOTIC IN HIGH CONCENTRATIONS.

CHRONIC: LIVER AND KIDNEY DISEASE. SKIN IRRITATION AND DERMATITIS.

**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.	GHS Classification
64742-47-8	Hydrotreated light distillate (petroleum)	46.0 %	265-149-8 649-422-00-2	Asp. Toxic. 1: H304
142-82-5	Heptane	43.0 %	205-563-8 601-008-00-2	Flam. Liq. 2: H225 Asp. Toxic. 1: H304 Skin Corr. 2: H315



TOST (SE) 3: H335 H336  
Aquatic (A) 1: H400  
Aquatic (C) 1: H410

### Section 4. First Aid Measures

**4.1 Description of First Aid Measures:** Inhaled, remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. In case of skin contact, wipe off with towel. Wash area with soap and water. In case of eye contact, flush with water for at least 15 minutes. Call physician immediately if adverse reaction occurs.

### Section 5. Fire Fighting Measures

**5.1 Suitable Extinguishing Media:** Foam, alcohol foam, CO<sub>2</sub>, dry chemical, water fog.

**5.2 Flammable Properties and Hazards:** Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

**Flash Pt:** 18.00 F (-7.8 C)    **Method Used:** TAG Closed Cup

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

**Autoignition Pt:** No data.

**5.3 Fire Fighting Instructions:** Wear goggles and self-contained breathing apparatus. Water spray may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred.

### Section 6. Accidental Release Measures

**6.3 Methods and Material For Containment and Cleaning Up:** Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.

### Section 7. Handling and Storage

**7.1 Precautions To Be Taken in Handling:** Keep closure tight & container upright to prevent leakage. Open container slowly. Ground containers when filling & emptying. Do not get in eye. Avoid skin contact & contact with clothing. Do not weld or flame-cut an empty drum. Do not take internally. Do not transfer contents to unlabeled containers. Keep out of the reach of children.

### Section 8. Exposure Controls/Personal Protection

**8.1 Exposure Parameters:**

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
64742-47-8	Hydrotreated light distillate (petroleum)	No data.	No data.	No data.
142-82-5	Heptane	TWA: 2085 mg/m <sup>3</sup> (500 ppm) STEL: ()	TWA: 1668 mg/m <sup>3</sup> (400 ppm) STEL: 2085 mg/m <sup>3</sup> (500 ppm)	TWA: 2085. mg/m <sup>3</sup>
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-47-8	Hydrotreated light distillate (petroleum)	PEL: 1000 ppm	TLV: 200 mg/m <sup>3</sup>	No data.
142-82-5	Heptane	PEL: 500 ppm	TLV: 400 ppm	No data.



**8.2 Exposure Controls:**

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

**8.2.2 Personal protection equipment:**

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

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

**Other Protective Clothing:** Solvent resistant apron.

**Respiratory Equipment (Specify Type):** In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and 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 and 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:** Colorless liquid; solvent odor.

**Melting Point:** No data.

**Boiling Point:** 208.00 F (97.8 C) - 410.00 F (210.0 C)

**Flash Pt:** 18.00 F (-7.8 C) Method Used: TAG Closed Cup

**Evaporation Rate:** No data.

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

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

**Vapor Density (vs. Air = 1):** > air

**Specific Gravity (Water = 1):** .77

**Solubility in Water:** No data.

**Autoignition Pt:** No data.

**9.2 Other Information**

**Percent Volatile:** 42.5 % 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.

**10.5 Incompatibility - Materials To Avoid:** No data available.

**10.6 Hazardous Decomposition Or Byproducts:** Fumes may contain carbon monoxide and other toxic fumes.

## Section 11. Toxicological Information

**11.1 Information on Toxicological Effects:**

No data available.

CAS# 142-82-5:

Other Studies:, TDLo, Oral, Rat, 60.00 GM/KG, 3 W.

Results:

Kidney, Ureter, Bladder: Changes in liver weight.

- National Technical Information Service, Vol/p/yr: OTS0571116,

Other Studies:, TDLo, Oral, Rat, 260.0 GM/KG, 13 W.

Results:

Kidney, Ureter, Bladder: Changes in bladder weight.

Endocrine:Hypoglycemia.

Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

- National Technical Information Service, Vol/p/yr: OTS0571116,

Other Studies:, TCLo, Inhalation, Rat, 4000. PPM, 6 D.

Results:

Brain and Coverings: Recordings from specific areas of CNS.

Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Ear: Changes in cochlear structure or function.

Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

- Pharmacology and Toxicology, Munksgaard International Pub., POB 2148, Copenhagen K Denmark, Vol/p/yr: 76,41, 1995

Other Studies:, TDLo, Intraperitoneal, Rat, 9625. MG/KG, 7 D.

Results:

Liver: Other changes.

Blood:Changes in serum composition (e.g.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Multiple enzyme effects.

- Toxicology Letters., Elsevier Science Pub. B.V., POB 211, 1000 AE, Amsterdam 1000 AE Netherlands, Vol/p/yr: 14,169, 1982

Other Studies:, TDLo, Intraperitoneal, Rat, 8840. MG/KG, 45 D.

Results:

Liver: Other changes.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:

Phosphatases.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Hepatic microsomal mixed oxidase (dealkylation, hydroxylation, etc.)

- JAT, Journal of Applied Toxicology., John Wiley & Sons Ltd., Baffins Lane, Chichester, W.Sussex PO19 1UD UK, Vol/p/yr: 8,81, 1988

Acute toxicity, TCLo, Inhalation, Human, 1000. PPM, 6 M.

Results:

Behavioral: Hallucinations, distorted perceptions.

- "U.S. Bureau of Mines Report of Investigation No. 2979," Patty, F.A., and W.P. Yant, 1929 Volume, Vol/p/yr: 2979,-, 1929

Acute toxicity, LC50, Inhalation, Rat, 103.0 GM/M3, 4 H.

Results:

Behavioral: Change in motor activity (specific assay).  
 Behavioral: Alteration of classical conditioning.  
 - Gigiena Truda i Professional'nye Zabolevaniya. (Labor Hygiene and Occupational Disease), V/O Mezhdunarodnaya Kniga, Moscow 113095 Russia, Vol/p/yr: 32(10),23, 1988

Acute toxicity, LCLO, Inhalation, Mouse, 59.00 GM/M3, 41 M.

Results:

Behavioral: Convulsions or effect on seizure threshold.

- Biochemische Zeitschrift., For publisher information, see EJBCAI, Berlin Germany, Vol/p/yr: 115,235, 1921

Acute toxicity, LD50, Intravenous, Mouse, 222.0 MG/KG.

Results:

Brain and Coverings: Changes in circulation (hemorrhage, thrombosis, etc.

Lungs, Thorax, or Respiration: Dyspnea.

Gastrointestinal: Nausea or vomiting.

- Journal of Pharmaceutical Sciences., American Pharmaceutical Assoc., 2215 Constitution Ave., NW, Washington, DC 20037, Vol/p/yr: 67,566, 1978

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64742-47-8	Hydrotreated light distillate (petroleum)	n.a.	n.a.	A4	n.a.
142-82-5	Heptane	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:** Flammable Liquid, n.o.s. (Heptane)  
**DOT Hazard Class:** 3 FLAMMABLE LIQUID  
**UN/NA Number:** UN1993 **Packing Group:** II



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

**ADR/RID Shipping Name:** Flammable Liquid, n.o.s. (Heptane)  
**UN Number:** 1993 **Packing Group:** II  
**Hazard Class:** 3 - FLAMMABLE LIQUID **ADR Classification:** 3

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

**IMDG/IMO Shipping Name:** Flammable Liquid, n.o.s. (Heptane)  
**UN Number:** 1993 **Packing Group:** II  
**Hazard Class:** 3 - FLAMMABLE LIQUID **IMDG Classification:** 3



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

**ICAO/IATA Shipping Name:** Flammable Liquid, n.o.s. (Heptane)  
**UN Number:** 1993 **Packing Group:** II  
**Hazard Class:** 3 - FLAMMABLE LIQUID **IATA Classification:** 3

**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)
64742-47-8	Hydrotreated light distillate (petroleum)	No	No	No
142-82-5	Heptane	No	No	No

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

**Other US EPA or State Lists**

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
142-82-5	Heptane	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory, 4 Test, 8A PAIR; 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 - 1339; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No

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

**International Regulatory Lists**

64742-47-8	Hydrotreated light distillate (petroleum)	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
142-82-5	Heptane	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

**Section 16. Other Information**

**Revision Date:** 10/03/2013

**Additional Information About** No data available.

**This Product:**

**Company Policy or**

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