

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:** C30D  
**Product Name:** Engine Clean Degreaser, 55 Gallon
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
**Relevant identified uses:** Engine Clean Degreaser
- 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 USA | <b>Phone Number:</b> | (800)843-7813 |
| <b>Web site address:</b> | www.cyclo.com   |                      |               |
| <b>Email address:</b>    | ehs@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:**
- Serious Eye Damage/Eye Irritation, Category 1
  - Skin Corrosion/Irritation, Category 2
  - Aspiration Toxicity, Category 1
  - Skin Sensitization, Category 1
  - Specific Target Organ Toxicity (single exposure), Category 3
  - Aquatic Toxicity (Acute), Category 1
  - Aquatic Toxicity (Chronic), Category 1

- 2.2 Label Elements:**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:**

H227: Combustible liquid.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H336: May cause drowsiness or dizziness.  
H410: Very toxic to aquatic life with long lasting effects.

**GHS Precaution Phrases:**

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.  
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264: Wash hands thoroughly after handling.  
P273: Avoid release to the environment.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P271: Use outdoors or in a well ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.



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Supersedes Revision: 04/05/2016

**GHS Response Phrases:**

P370 + P378: In case of fire: Use, dry chemical, water fog, foam or carbon dioxide.

P301+330+331: IF SWALLOWED: Rinse mouth. 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.

P363: Wash contaminated clothing before reuse.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

**GHS Storage and Disposal Phrases:**

P403 + P233 Store in a cool well-ventilate place. Keep container tightly closed.

P405: Store locked up.

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

**2.3 Adverse Human Health** No data available.**Effects and Symptoms:**

### Section 3. Composition/Information on Ingredients

| CAS #      | Hazardous Components (Chemical Name)/<br>REACH Registration No. | Concentration | EC No./<br>EC Index No.   | GHS Classification   |
|------------|---|---------------|---------------------------|--|
| 64742-47-8 | Hydrotreated light distillate (petroleum)                       | 85.0 -100.0 % | 265-149-8<br>649-422-00-2 | Asp. Toxic. 1: H304  |
| 68439-46-3 | Alcohol ethoxylate  | 2.5 -10.0 %   | NA<br>NA                  | Acute Tox.(O) 4: H302<br>Eye Damage 1: H318  |
| 5989-27-5  | (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene                    | 2.5 -10.0 %   | 227-813-5<br>601-029-00-7 | Flam. Liq. 3: H226<br>Skin Corr. 2: H315<br>Skin Sens. 1: H317<br>Aquatic (A) 1: H400<br>Aquatic (C) 1: H410 |

### Section 4. First Aid Measures

- 4.1 Description of First Aid Measures:** If swallowed, do not induce vomiting. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of skin contact, remove contaminated clothing and shoes and launder before reuse. Wash with soap and water for 15 minutes. Call physician immediately if adverse reaction occurs.

### Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Foam, CO2, dry chemical, water fog.
- 5.2 Flammable Properties and Hazards:** Water may be used to cool containers to prevent pressure build up & explosion when exposed to extreme heat. If water is used, fog nozzles preferred.  
No data available.
- Flash Pt:** 145.00 F (62.8 C) Method Used: Pensky-Marten Closed Cup
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- 5.3 Fire Fighting Instructions:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Closed containers may explode from internal pressure build up when exposed to extreme heat & discharge contents. Vapor accumulation can flash or explode if



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ignited. Overexposure to decomposition products may cause a health hazard.  
Symptoms may not be readily apparent.

### Section 6. Accidental Release Measures

- 6.1 Protective Precautions,** No data available.  
**Protective Equipment and Emergency Procedures:**
- 6.2 Environmental Precautions:** No data available.
- 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 & place in closed containers for disposal.

### Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Keep away from heat/sparks/open flames/hot surfaces - No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Avoid release to the environment. Contaminated work clothing should not be allowed out of the workplace. Use outdoors or in a well ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Keep out of the reach of children.
- 7.2 Precautions To Be Taken in Storing:** Store in a cool well-ventilate place. Keep container tightly closed. Store locked up.

### Section 8. Exposure Controls/Personal Protection

**8.1 Exposure Parameters:**

| CAS #                     | Chemical Name                 | Jurisdiction | Recommended Exposure Limits | Notations |
|---------------------------|-------------------------------|--------------|-----------------------------|-----------|
| 64742-47-8<br>(petroleum) | Hydrotreated light distillate | ACGIH TLV    | TLV: 200 mg/m <sup>3</sup>  |           |

**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:** Chemical goggles; also wear a face shield if splashing hazard exists.
- Protective Gloves:** Solvent resistant gloves required for prolonged or repeated contact.
- Other Protective Clothing:** Use of solvent resistant aprons or other clothing is recommended.
- 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:** Use in a well ventilated area. To prevent vapor build up, open doors & windows or use an explosion-proof exhaust fan to ensure fresh air exchange during & after use. Do not breathe vapor, gas or spray mist.  
No data available.



## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

|   |  |  |                                |
|---|--|--|--------------------------------|
| <b>Physical States:</b>                     | <input type="checkbox"/> Gas   | <input checked="" type="checkbox"/> Liquid | <input type="checkbox"/> Solid |
| <b>Appearance and Odor:</b>                 | Clear, colorless to slightly discolored solution with aromatic odor. |  |                                |
| <b>pH:</b>                                  | No data.   |  |                                |
| <b>Melting Point:</b>                       | No data.   |  |                                |
| <b>Boiling Point:</b>                       | 212.00 F (100.0 C) - 401.00 F (205.0 C)                              |  |                                |
| <b>Flash Pt:</b>                            | 145.00 F (62.8 C) Method Used: Pensky-Marten Closed Cup              |  |                                |
| <b>Evaporation Rate:</b>                    | No data.   |  |                                |
| <b>Flammability (solid, gas):</b>           | No data available.   |  |                                |
| <b>Explosive Limits:</b>                    | LEL: No data.  | UEL: No data.                              |                                |
| <b>Vapor Pressure (vs. Air or mm Hg):</b>   | No data.   |  |                                |
| <b>Vapor Density (vs. Air = 1):</b>         | No data.   |  |                                |
| <b>Specific Gravity (Water = 1):</b>        | .802   |  |                                |
| <b>Density:</b>                             | .804   |  |                                |
| <b>Solubility in Water:</b>                 | NIL  |  |                                |
| <b>Octanol/Water Partition Coefficient:</b> | No data.   |  |                                |
| <b>Autoignition Pt:</b>                     | No data.   |  |                                |
| <b>Decomposition Temperature:</b>           | No data.   |  |                                |
| <b>Viscosity:</b>                           | No data.   |  |                                |

### 9.2 Other Information

|                          |                  |
|--------------------------|------------------|
| <b>Percent Volatile:</b> | 6.0 % by weight. |
|--------------------------|------------------|

## Section 10. Stability and Reactivity

|  |  |
|--|--|
| <b>10.1 Reactivity:</b>                                | No data available.   |
| <b>10.2 Stability:</b>                                 | Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>                           |
| <b>10.3 Conditions To Avoid - Hazardous Reactions:</b> | No data available.   |
| <b>Possibility of Hazardous Reactions:</b>             | Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>                 |
| <b>10.4 Conditions To Avoid - Instability:</b>         | Application to hot surfaces. Storage above 120F. Exposure to open flame.                               |
| <b>10.5 Incompatibility - Materials To Avoid:</b>      | Contact with oxidizing agents.   |
| <b>10.6 Hazardous Decomposition or Byproducts:</b>     | May produce fumes when heated to decomposition. Fumes may contain carbon monoxide & other toxic fumes. |



**Section 11. Toxicological Information**

**11.1 Information on** No data available.

**Toxicological Effects:**

| CAS #      | Hazardous Components (Chemical Name)         | NTP  | IARC | ACGIH | OSHA |
|------------|--|------|------|-------|------|
| 64742-47-8 | Hydrotreated light distillate (petroleum)    | n.a. | n.a. | A4    | n.a. |
| 68439-46-3 | Alcohol ethoxylate                           | n.a. | n.a. | n.a.  | n.a. |
| 5989-27-5  | (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene | n.a. | 3    | n.a.  | n.a. |

**Section 12. Ecological Information**

**12.1 Toxicity:** No data available.

**12.2 Persistence and** No data available.

**Degradability:**

**12.3 Bioaccumulative** No data available.

**Potential:**

**12.4 Mobility in Soil:** No data available.

**12.5 Results of PBT and** No data available.

**vPvB assessment:**

**12.6 Other adverse effects:** No data available.

**Section 13. Disposal Considerations**

**13.1 Waste Disposal** Dispose of contents/container in accordance with local/regional/national/international  
**Method:** regulation.

**Section 14. Transport Information**

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

**ADR/RID Shipping Name:** NOT- REGULATED

**UN Number:**

**Hazard Class:**

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

**IMDG/IMO Shipping Name:** NOT- REGULATED

**UN Number:**

**Hazard Class:**

**Packing Group:**

**IMDG MFAG Number:**

**Marine Pollutant:** No

**IMDG EMS Page:**

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

**ICAO/IATA Shipping Name:** NOT- REGULATED

**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           |
| 68439-46-3 | Alcohol ethoxylate                           | No           | No        | No           |
| 5989-27-5  | (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene | No           | No        | No           |



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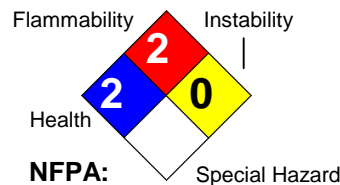
Supersedes Revision: 04/05/2016

| 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: Yes - 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 |
| 68439-46-3 | Alcohol ethoxylate                           | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - 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 |
| 5989-27-5  | (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - 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 |
| CAS #      | Hazardous Components (Chemical Name)         | International Regulatory Lists   |
| 64742-47-8 | Hydrotreated light distillate (petroleum)    | Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes  |
| 68439-46-3 | Alcohol ethoxylate                           | Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes  |
| 5989-27-5  | (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene | Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes  |

### Section 16. Other Information

Revision Date: 08/24/2017

Hazard Rating System:



**Additional Information About This Product:** NOT FOR SALE IN: CA, CT, DC, DE, IL, IN, MA, ME, MD, MI, NJ, NH, NY, OH, PA, RI, VA, UT.

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