

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:** C30  
**Product Name:** Engine Clean Degreaser
- 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><br>(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:**
- Acute Toxicity: Oral, Category 4
  - Serious Eye Damage/Eye Irritation, Category 1
  - Skin Sensitization, Category 1
  - Aspiration Toxicity, Category 1
  - Aquatic Toxicity (Acute), Category 1
  - Aquatic Toxicity (Chronic), Category 1
  - Flammable Aerosols, Category 3

- 2.2 Label Elements:**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:**

H302: Harmful if swallowed.  
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.  
H410: Toxic to aquatic life with long lasting effects  
H229: Pressurized container: May burst if heated.

**GHS Precaution Phrases:**

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P211: Do not spray on an open flame or any other ignition source.  
P251: Pressurized container: Do not pierce or burn, even after use.  
P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P272: Contaminated work clothing should not be allowed out of the workplace.



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## Engine Clean Degreaser

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

### GHS Response Phrases:

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:

P405: Store locked up.

P410+412: Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

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

## 2.3 Adverse Human Health

### Effects and Symptoms:

**2.3.1 Inhalation:** Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired coordination.

**2.3.2 Skin Contact:** Contact may dry the skin; prolonged contact may cause moderate irritation.

**2.3.3 Eye Contact:** Liquid or vapor can cause moderate to severe irritation.

## 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)	85.0 -95.0 %	265-149-8 649-422-00-2	Asp. Toxic. 1: H304
68439-46-3	Alcohol ethoxylate	3.0 -5.0 %	NA NA	Acute Tox.(O) 4: H302 Eye Damage 1: H318
124-38-9	Carbon dioxide	1.0 -3.0 %	204-696-9 NA	Comp. Gas: H280
5989-27-5	(R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	2.0 -5.0 %	227-813-5 601-029-00-7	Flam. Liq. 3: H226 Skin Corr. 2: H315 Skin Sens. 1: H317 Aquatic (A) 1: H400 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, CO<sub>2</sub>, 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.
- Flammability Classification:** NFPA Level 2 Aerosol
- Flash Pt:**  $\geq 70.00$  C (158.0 F) 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 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, Protective Equipment and Emergency Procedures:** No data available.
- 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. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Keep out of the reach of children.
- 7.2 Precautions To Be Taken in Storing:** Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Store locked up.



**Section 8. Exposure Controls/Personal Protection**

**8.1 Exposure Parameters:**

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
64742-47-8	Hydrotreated light distillate (petroleum)	ACGIH TLV	TLV: 200 mg/m3	
124-38-9	Carbon dioxide	ACGIH TLV	TLV: 5000 ppm STEL: 30,000 ppm	
		Europe	TWA: 9000 mg/m3 (5000 ppm)	
		France VL	TWA: 9000 mg/m3 (5000 ppm)	
		OSHA PELs	PEL: 5000 ppm	
		Britain EH40	TWA: 9150 mg/m3 (5000 ppm) STEL: 27400 mg/m3 (15000 ppm)	

**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**

- Physical States:** [ ] Gas [ X ] Liquid [ ] Solid
- Appearance and Odor:** Clear, colorless to slightly discolored solution with aromatic odor.
- pH:** No data.
- Melting Point:** No data.
- Boiling Point:** 310.00 F (154.4 C) - 410.00 F (210.0 C)
- Flash Pt:** >= 70.00 C (158.0 F) Method Used: Pensky-Marten Closed Cup
- Evaporation Rate:** No data.
- Flammability (solid, gas):** No data available.
- Explosive Limits:** LEL: No data. UEL: No data.
- Vapor Pressure (vs. Air or mm Hg):** No data.
- Vapor Density (vs. Air = 1):** No data.



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**Specific Gravity (Water = 1):** .81  
**Solubility in Water:** NIL  
**Octanol/Water Partition Coefficient:** No data.  
**Autoignition Pt:** No data.  
**Decomposition Temperature:** No data.  
**Viscosity:** No data.

### 9.2 Other Information

**Percent Volatile:** 3.0 % 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:** Contact with 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
64742-47-8	Hydrotreated light distillate (petroleum)	n.a.	n.a.	A4	n.a.
68439-46-3	Alcohol ethoxylate	n.a.	n.a.	n.a.	n.a.
124-38-9	Carbon dioxide	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 Degradability:** No data available.  
**12.3 Bioaccumulative Potential:** No data available.  
**12.4 Mobility in Soil:** No data available.  
**12.5 Results of PBT and vPvB assessment:** No data available.  
**12.6 Other adverse effects:** No data available.



**Section 13. Disposal Considerations**

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

**Section 14. Transport Information**

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

**ADR/RID Shipping Name:** Aerosols, 2.2, Ltd. Qty.  
**UN Number:** 1950  
**Hazard Class:** 2.2 - NONFLAMMABLE GAS **ADR Classification:** 2.1

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

**IMDG/IMO Shipping Name:** Aerosols, 2.2, Ltd. Qty.  
**UN Number:** 1950 **Packing Group:**  
**Hazard Class:** 2.2 - NONFLAMMABLE GAS **IMDG Classification:** 2.2  
**IMDG MFAG Number:**  
**IMDG EMS Page:** **Marine Pollutant:** No

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

**ICAO/IATA Shipping Name:** Aerosols, non-flammable, 2.2, Ltd. Qty.  
**UN Number:** 1950  
**Hazard Class:** 2.2 - NONFLAMMABLE GAS **IATA Classification:** 2.2

**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
124-38-9	Carbon dioxide	No	No	No
5989-27-5	(R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	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: 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
124-38-9	Carbon dioxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - 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: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes
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
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Revision: 08/24/2017  
Supersedes Revision: 04/05/2016

68439-46-3 Alcohol ethoxylate

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

124-38-9 Carbon dioxide

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

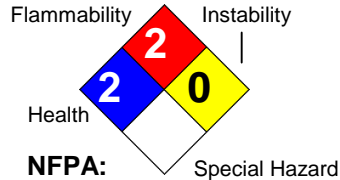
5989-27-5 (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

### Section 16. Other Information

**Revision Date:** 08/24/2017

**Hazard Rating System:**



**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

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