

SAFETY DATA SHEET **Engine Clean Degreaser**

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Revision: 10/02/2014

Supersedes Revision: 05/20/2014

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:

1.3 **Details of the Supplier of the Safety Data Sheet:**

> **Company Name:** CYCLO INDUSTRIES, INC. **Phone Number:**

> > 902 SOUTH US HIGHWAY 1 (800)843-7813

JUPITER, FL 33477

Web site address: www.cyclo.com

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

1.4 **Emergency telephone number:**

> **Emergency Contact:** 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]:

Acute Toxicity: Oral, Category 4

Serious Eye Damage/Eye Irritation, Category 1

Skin Sensitization, Category 1 Aspiration Toxicity, Category 1

- 2.1.2 Classification according to Directive 1999/45/EC:
- 2.2 **Label Elements:**
- Labeling according to Regulation (EC) No 1272/2008 [CLP]:







GHS Signal Word: Danger

GHS Hazard Phrases:

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H318: Causes serious eye damage.

H280: Contents under pressure. May explode if heated.

GHS Precaution Phrases:

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

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

P271: Use only outdoors or in a well-ventilated area.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

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



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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:

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:

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.	Risk Phrases/ GHS Classification
64742-47-8	Hydrotreated light distillate (petroleum)	91.0 %	265-149-8 649-422-00-2	Xn; R65 Asp. Toxic. 1: H304
68439-46-3	Alcohol ethoxylate	3.0 %	NA NA	No phrases apply. Acute Tox.(O) 4: H302 Eye Damage 1: H318
124-38-9	Carbon dioxide	3.0 %	204-696-9 NA	No phrases apply. No data available.

Section 4. First Aid Measures

4.1 Description of First Aid If swallowed, do not induce vomiting. If inhaled, remove to fresh air. If not breathing give **Measures:** 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 Foam, CO2, dry chemical, water fog.

Media:

5.2 Flammable Properties Water may be used to cool containers to prevent pressure build up & explosion when

and Hazards: exposed to extreme heat. If water is used, fog nozzles preferred.

Flammability NFPA Level 2 Aerosol

Classification:

Flash Pt: >= 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 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.



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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 & place in closed containers for disposal.

Section 7. Handling and Storage

7.1 **Precautions To Be**

Taken in Handling:

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Use

only outdoors or in a well-ventilated area. Do not breathe

dust/fume/gas/mist/vapours/spray. Keep out of the reach of children.

7.2 **Precautions To Be** Taken in Storing:

Do not store above 120 degrees F.

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.
68439-46-3	Alcohol ethoxylate	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
CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-47-8	Hydrotreated light distillate (petroleum)	No data.	TLV: 200 mg/m3	No data.
68439-46-3	Alcohol ethoxylate	No data.	No data.	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:

Chemical goggles; also wear a face shield if splashing hazard exists. **Eye Protection: Protective Gloves:** Solvent resistant gloves required for prolonged or repeated contact. **Other Protective** Use of solvent resistant aprons or other clothing is recommended.

Clothing:

Respiratory Equipment Avoid breathing vapors. Use with adequate ventilation equal to out of doors. In restricted (Specify Type):

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.

ance Practices:

Work/Hygienic/Mainten 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.



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Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

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

Clear, colorless to slightly discolored solution with aromatic odor. **Appearance and Odor:**

No data. **Melting Point:**

Boiling Point: 310.00 F (154.4 C) - 410.00 F (210.0 C)

No data.

>= 70.00 C (158.0 F) Method Used: Pensky-Marten Closed Cup Flash Pt:

No data. **Evaporation Rate:**

LEL: No data. UEL: No data. **Explosive Limits:**

Vapor Pressure (vs. Air or

mm Hg):

Vapor Density (vs. Air = 1): No data. Specific Gravity (Water = 1): .81 NIL Solubility in Water: No data. **Autoignition Pt:**

9.2 Other Information

> **Percent Volatile:** 0.0 % by weight.

Section 10. Stability and Reactivity

No data available. 10.1 Reactivity:

10.2 Stability: Unstable [] Stable [X]

No data available. 10.3 Conditions To Avoid -

Hazardous Reactions:

Possibility of Will occur [] Will not occur [X]

Hazardous Reactions:

10.4 Conditions To Avoid - Application to hot surfaces. Storage above 120F. Exposure to open flame.

Instability:

10.5 Incompatibility -Contact with oxidizing agents.

Materials To Avoid:

10.6 Hazardous May produce fumes when heated to decomposition. Fumes may contain carbon

monoxide & other toxic fumes. **Decomposition Or**

Byproducts:



11.1

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Section 11. Toxicological Information

No data available.

Toxicological Effects:

Information on

CAS# **Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA** 64742-47-8 Hydrotreated light distillate (petroleum) A4 n.a. n.a. 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.

Section 12. Ecological Information

Section 13. Disposal Considerations

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

regulation. Method:

Section 14. Transport Information

LAND TRANSPORT (US DOT): 14.1

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: Aerosols, Ltd. Qtv.

UN Number: 1950

ADR Classification: 2.1 **Hazard Class:** N.A.

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Aerosols, Ltd. Qty.

UN Number: 1950 **Packing Group:**

Hazard Class: N.A. IMDG Classification: 2.2 **Marine Pollutant:** No

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

MIRS MSDS, (c) A V Systems, Inc.

ICAO/IATA Shipping Name: Aerosols, non-flammable, 2.2, Ltd. Qty.

UN Number: 1950

Hazard Class: N.A. IATA Classification: 2.2

Section 15. Regulatory Information

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

Hazardous Components (Chemical Name) S. 302 (EHS) S. 313 (TRI) CAS# S. 304 RQ 64742-47-8 Hydrotreated light distillate (petroleum) No No No Alcohol ethoxylate No 68439-46-3 No No 124-38-9 Carbon dioxide No No No

CAS# **Hazardous Components (Chemical Name)** Other US EPA or State Lists

Hydrotreated light distillate (petroleum) 64742-47-8 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

CAA HAP, ODC: No; CWA NPDES: No; TSCA: Inventory; CA 68439-46-3 Alcohol ethoxylate

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;

Multi-region format



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PA HSL: No; SC TAP: No; WI Air: No

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

64742-47-8 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

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

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Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

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