

1. Product and Company Identification

Product Code: C30D
Product Name: Engine Clean Degreaser, 55 Gallon
Company Name: CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477
Phone Number: (800)843-7813

Web site address: www.cyclo.com
Email address: ehs@cyclo.com

Emergency Contact: First Aid Emergency (800)752-7869
CHEMTREC (703) 527-3887 (800)424-9300
Information: First Aid Emergency (Outside U.S.) (312)906-6194

Intended Use: Engine Clean Degreaser

2. Hazards Identification

Flammable Liquids, Category 4
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



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.

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.



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

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
64742-47-8	Hydrotreated light distillate (petroleum)	85.0 -100.0 %
68439-46-3	Alcohol ethoxylate	2.5 -10.0 %
5989-27-5	(R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	2.5 -10.0 %

4. First Aid Measures

Emergency and First Aid Procedures: 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.

5. Fire Fighting Measures

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.

Suitable Extinguishing Media: Foam, CO2, dry chemical, water fog.

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.

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.

Hazardous Combustion Products: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material & place in closed containers for disposal.

7. Handling and Storage

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.

Precautions To Be Taken in Storing: Store in a cool well-ventilate place. Keep container tightly closed. Store locked up.

8. Exposure Controls/Personal Protection

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.



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Supersedes Revision: 04/05/2016

5989-27-5 (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene No data.

No data.

No data.

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.

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.

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.

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.

9. 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: 212.00 F (100.0 C) - 401.00 F (205.0 C)

Flash Pt: 145.00 F (62.8 C) 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.

Specific Gravity (Water = 1): .802

Density: .804

Solubility in Water: NIL

Octanol/Water Partition Coefficient: No data.

Percent Volatile: 6.0 % by weight.

Autoignition Pt: No data.

Decomposition Temperature: No data.

Viscosity: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

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

Incompatibility - Materials To Avoid: Contact with oxidizing agents.

Hazardous Decomposition or Byproducts: May produce fumes when heated to decomposition. Fumes may contain carbon monoxide & other toxic fumes.

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



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Reactions:**Conditions To Avoid -** No data available.**Hazardous Reactions:**

11. Toxicological Information

Toxicological Information: 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.
5989-27-5	(R)-1-Methyl-4-(1-methylethenyl)-cyclohexene	n.a.	3	n.a.	n.a.

12. Ecological Information

No data available.

13. Disposal Considerations

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

14. Transport Information

LAND TRANSPORT (US DOT):**DOT Proper Shipping Name:** NOT- REGULATED**DOT Hazard Class:****UN/NA Number:****LAND TRANSPORT (European ADR/RID):****ADR/RID Shipping Name:** NOT- REGULATED**UN Number:****Hazard Class:****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:****AIR TRANSPORT (ICAO/IATA):****ICAO/IATA Shipping Name:** NOT- REGULATED

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

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



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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: 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)
 64742-47-8 Hydrotreated light distillate (petroleum)

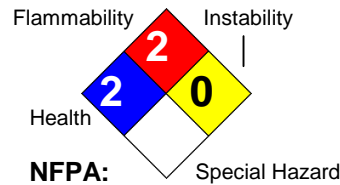
68439-46-3 Alcohol ethoxylate

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

International Regulatory Lists

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

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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