

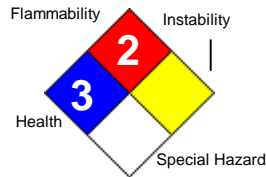


MATERIAL SAFETY DATA SHEET

Engine Clean Degreaser

CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477

HEALTH		2
FLAMMABILITY		2
PHYSICAL		2
PPE		



Revision: 01/30/2012
Supersedes Revision: 01/27/2012
Date Created: 09/20/2010

1. Product and Company Identification

Product Code: C-30

Product Name: Engine Clean Degreaser

Manufacturer Information

Company Name: CYCLO INDUSTRIES, INC.

Phone Number: (800)843-7813

Fax Number: (561)745-3867

Emergency Contact: First Aid Emergency (800)222-1222

Alternate Emergency Contact: Chemtrec (703) 527-3887 (800)424-9300

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

Web site address: www.cyclo.com

Email address: ehs@cyclo.com

2. Hazards Identification

Emergency Overview

DANGER: Combustible. Harmful or fatal if swallowed. Vapor harmful. Eye, skin & respiratory irritant. Contents under pressure.

Potential Health Effects (Acute and Chronic)

No data available.

Signs and Symptoms Of Exposure

No data available.

Medical Conditions Generally Aggravated By Exposure

No data available.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Aliphatic hydrocarbon	64742-96-7	70.0 -80.0 %
2. Aromatic 200 Mixture	NA	10.0 -15.0 %
3. Ethanol, 2-Butoxy-	111-76-2	5.0 -12.0 %
4. Carbon dioxide	124-38-9	4.0 -8.0 %
5. Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	127087-87-0	< 5.0 %
6. Acetone	67-64-1	< 5.0 %

4. First Aid Measures

Emergency and First Aid Procedures

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. In case of eye contact or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes. In case of skin contact, remove contaminated clothing and shoes and launder before reuse. Wash with soap and water for 15 minutes. If product is injected under the skin, or into any part of the body, the individual should be evaluated immediately by a physician as a surgical emergency. Call physician immediately if adverse reaction occurs.



5. Fire Fighting Measures

Flammability Classification: NFPA Level 2 Aerosol
Flash Pt: 145.00 F (62.8 C) Method Used: TAG Closed Cup
Explosive Limits: LEL: .9 UEL: 6.7
Autoignition Pt: No data available.

Fire Fighting Instructions

Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Vapor may cause flash fire.

Flammable Properties and Hazards

No data available.

Hazardous Combustion Products

Carbon dioxide. Carbon monoxide. Fumes and smoke. Sulfur oxides. Aldehydes and other decomposition products, in the case of incomplete combustion.

Suitable Extinguishing Media

Carbon dioxide, dry chemical, foam. Use water spray to keep containers cool that are exposed to heat or flames.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Wear appropriate protective clothing and equipment to prevent skin and eye contact. Contain any liquid from leaking containers. Avoid all sources of ignition; heat, sparks and open flames. Leaking containers should be removed to an isolated, well-ventilated area and transferred to other suitable containers. Do not puncture or incinerate container. Contents under pressure. Wipe, scrape or soak up in an inert material and put in a container intended for flammable materials for disposal. Do not allow to enter sanitary drains, sewers or surface and subsurface waters. Keep out of lakes, ponds or streams.

7. Handling and Storage

Precautions To Be Taken in Handling

Avoid breathing vapors. If exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Use only in a well ventilated area. Caution: Contents under pressure. Keep away from heat and open flame. Keep out of the reach of children.

Precautions To Be Taken in Storing

Do not puncture, incinerate or store above 120 degrees F. Exposure to high temperatures may cause bursting. Do not store in the passenger compartment of an automobile.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Aliphatic hydrocarbon	64742-96-7	No data.	No data.	No data.
2. Aromatic 200 Mixture	NA	No data.	No data.	No data.
3. Ethanol, 2-Butoxy-	111-76-2	PEL: 50 ppm	TLV: 20 ppm	No data.
4. Carbon dioxide	124-38-9	PEL: 5000 ppm	TLV: 5000 ppm STEL: 30,000 ppm	No data.
5. Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	127087-87-0	No data.	No data.	No data.
6. Acetone	67-64-1	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.

Respiratory Equipment (Specify Type)

Use in a well ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Do not breathe vapor or mist.



Eye Protection

Chemical goggles; also wear a face shield if splashing hazard exists.

Protective Gloves

Avoid skin contact. Wear protective gloves.

Other Protective Clothing

Avoid skin contact. Wear protective clothing.

Engineering Controls (Ventilation etc.)

Local exhaust ventilation as necessary to maintain exposure levels to within applicable limits. Use in a well ventilated area.

Work/Hygienic/Maintenance Practices

No data available.

9. Physical and Chemical Properties

Physical States:	[] Gas	[X] Liquid	[] Solid
Melting Point:	No data.		
Boiling Point:	320.00 F (160.0 C) - 650.00 F (343.3 C)		
Autoignition Pt:	No data.		
Flash Pt:	145.00 F (62.8 C)	Method Used: TAG Closed Cup	
Explosive Limits:	LEL: .9	UEL: 6.7	
Specific Gravity (Water = 1):	.88		
Vapor Pressure (vs. Air or mm Hg):	No data.		
Vapor Density (vs. Air = 1):	> 4.7		
Evaporation Rate (vs Butyl Acetate=1):	No data.		
Solubility in Water:	~ 25%		
Percent Volatile:	27.0 %		
pH:	~ 8		

Appearance and Odor

Clear, colorless to slightly discolored solution with aromatic odor.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Keep away from heat, sparks and flame. Avoid any sources of ignition. Do not expose to heat or store at temperatures above 120 degrees F.

Incompatibility - Materials To Avoid

Contact with oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition Or Byproducts

Carbon monoxide. Carbon dioxide.

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

Conditions To Avoid - Hazardous Reactions

No data available.

11. Toxicological Information

No data available.

Chronic Toxicological Effects

No data available.



MATERIAL SAFETY DATA SHEET

Engine Clean Degreaser

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Aliphatic hydrocarbon	64742-96-7	n.a.	n.a.	n.a.	n.a.
2. Aromatic 200 Mixture	NA	n.a.	n.a.	n.a.	n.a.
3. Ethanol, 2-Butoxy-	111-76-2	n.a.	n.a.	A3	n.a.
4. Carbon dioxide	124-38-9	n.a.	n.a.	n.a.	n.a.
5. Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	127087-87-0	n.a.	n.a.	n.a.	n.a.
6. Acetone	67-64-1	n.a.	n.a.	A4	n.a.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method

Disposal should be made in accordance with federal, state and local regulations.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name	Consumer Commodity
DOT Hazard Class:	ORM-D
DOT Hazard Label:	ORM-D

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Shipping Name	Aerosols, Ltd. Qty.
UN Number:	1950
Hazard Class:	N.A.
IMDG Classification:	2.2
Marine Pollutant:	No

Additional Transport Information

No data available.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Aliphatic hydrocarbon	64742-96-7	No	No	No	No
2. Aromatic 200 Mixture	NA	No	No	No	No
3. Ethanol, 2-Butoxy-	111-76-2	No	No	Yes-Cat. N230	No
4. Carbon dioxide	124-38-9	No	No	No	No
5. Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	127087-87-0	No	No	No	No
6. Acetone	67-64-1	No	Yes 5000 LB	No	Yes

Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS #	CAA HAP,ODC	CWA NPDES	TSCA	CA PROP.65
1. Aliphatic hydrocarbon	64742-96-7	No	No	Inventory	No
2. Aromatic 200 Mixture	NA	No	No	No	No
3. Ethanol, 2-Butoxy-	111-76-2	No	No	Inventory	No
4. Carbon dioxide	124-38-9	No	No	Inventory	No
5. Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	127087-87-0	No	No	Inventory, 8A PAIR	No
6. Acetone	67-64-1	No	No	Inventory	No



MATERIAL SAFETY DATA SHEET

Engine Clean Degreaser

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Aliphatic hydrocarbon	64742-96-7	No	No	No	No
2. Aromatic 200 Mixture	NA	No	No	No	No
3. Ethanol, 2-Butoxy-	111-76-2	TAC, Title 8	Yes	No	No
4. Carbon dioxide	124-38-9	Title 8	Yes	No	No
5. Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	127087-87-0	No	No	No	No
6. Acetone	67-64-1	Title 8	Yes	Part 5	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Aliphatic hydrocarbon	64742-96-7	No	No	No	No
2. Aromatic 200 Mixture	NA	No	No	No	No
3. Ethanol, 2-Butoxy-	111-76-2	Yes - 0275	No	Yes - 1	No
4. Carbon dioxide	124-38-9	Yes - 0343	No	Yes - 1	No
5. Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	127087-87-0	No	No	No	No
6. Acetone	67-64-1	Yes - 0006	Yes	Yes - E	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. Aliphatic hydrocarbon	64742-96-7	No
2. Aromatic 200 Mixture	NA	No
3. Ethanol, 2-Butoxy-	111-76-2	Yes
4. Carbon dioxide	124-38-9	Yes
5. Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	127087-87-0	No
6. Acetone	67-64-1	Yes

International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. Aliphatic hydrocarbon	64742-96-7	Yes	No	No
2. Aromatic 200 Mixture	NA	No	No	No
3. Ethanol, 2-Butoxy-	111-76-2	Yes	No	No
4. Carbon dioxide	124-38-9	Yes	No	No
5. Poly(oxy-1,2-ethanediyl),.alpha.-(4-nonylphenyl)-.omega.-hydroxy-,branched	127087-87-0	Yes	No	No
6. Acetone	67-64-1	Yes	No	No

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

Sec.302:	EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.
Sec.304:	EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.
Sec.313:	EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
Sec.110:	EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control Act) Lists:

Inventory:	Chemical Listed in the TSCA Inventory.
5A(2):	Chemical Subject to Significant New Rules (SNURS)
6A:	Commercial Chemical Control Rules
8A:	Toxic Substances Subject To Information Rules on Production
8A CAIR:	Comprehensive Assessment Information Rules - (CAIR)



MATERIAL SAFETY DATA SHEET

Engine Clean Degreaser

Page: 6

Revision: 01/30/2012

Supercedes Revision: 01/27/2012

8A PAIR:	Preliminary Assessment Information Rules - (PAIR)
8C:	Records of Allegations of Significant Adverse Reactions
8D:	Health and Safety Data Reporting Rules
8D TERM:	Health and Safety Data Reporting Rule Terminations
12(b):	Notice of Export

Other Important Lists:

CWA NPDES:	EPA Clean Water Act NPDES Permit Chemical
CAA HAP:	EPA Clean Air Act Hazardous Air Pollutant
CAA ODC:	EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)
CA PROP 65:	California Proposition 65
CA TAC:	California AB 1807 - Toxic Air Contaminants
CA Title 8:	California Hazardous Substances List: Title 8, Sec. 339
MI CMR:	Michigan Critical Materials Register
MI Part 5:	Michigan DEQ WRP Part 5 Pollutants List
NC TAP:	North Carolina Toxic Air Pollutants
NJ EHS:	New Jersey Environmental Hazardous Substances List
NY Part 597:	New York Part 597 List of Hazardous Substances
PA HSL:	Pennsylvania Hazardous Substances List
SC TAP:	South Carolina Toxic Air Pollutants
WI Air:	Wisconsin Reportable Air Contaminants

International Regulatory Lists:

Canadian DSL:	Canada Domestic Substances List
Canadian NDSL:	Canada Non-Domestic Substances List
Taiwan TCSCA:	Taiwan Toxic Chemical Substances Control Act of 1986

16. Other Information

Not for sale in CA.

Company Policy or Disclaimer

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