

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:** C21
Product Name: Diesel Fuel Injector Cleaner
- 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.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477 | Phone Number:
(800)843-7813 |
| 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
CHEMTREC (703) 527-3887 | (800)752-7869
(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]:**
Flammable Liquids, Category 2
Acute Toxicity: Inhalation, Category 4
Acute Toxicity: Oral, Category 4
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 3
Serious Eye Damage/Eye Irritation, Category 2A
Carcinogenicity, Category 2
Aquatic Toxicity (Acute), Category 3
Aquatic Toxicity (Chronic), Category 3
- 2.1.2 Classification according to Directive 1999/45/EC:**
- 2.2 Label Elements:**
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:**



GHS Signal Word: Danger

GHS Hazard Phrases:

H225: Highly flammable liquid and vapor.
H332: Harmful if inhaled.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H316: Causes mild skin irritation.
H319: Causes serious eye irritation.
H351: Suspected of causing cancer.
H402: Harmful to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

GHS Precaution Phrases:

P233: Keep container tightly closed.
P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P240: Ground/bond container and receiving equipment.

- P241: Use explosion-proof electrical/ventilating/lighting equipment.
 P243: Take precautionary measures against static discharge.
 P242: Use only non-sparking tools.
 P271: Use only outdoors or in a well-ventilated area.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P362+364: Take off contaminated clothing and wash it before reuse.
 P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P281: Use personal protective equipment as required.
 P273: Avoid release to the environment.

GHS Response Phrases:

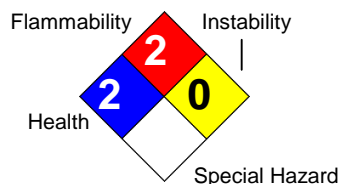
- P370+378: In case of fire, use carbon dioxide, foam, dry chemical or water spray to extinguish.
 P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P303+361+353: IF ON SKIN (or 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+235: Store in cool/well-ventilated place.
 P501: Dispose of contents/container in accordance with local/regional/national/international regulation.
 P405: Store locked up.

2.2.2 Labeling according to Directive 1999/45/EC:

Hazard Rating System:



2.3 Adverse Human Health Effects and Symptoms:

Medical Conditions Pre-existing respiratory and respiratory disorders may be aggravated.
Generally Aggravated
By Exposure:

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
68334-30-5	Diesel fuel	80.0 -90.0 %	269-822-7 649-224-00-6	Xn; R40 Carcinogen 2: H351
108-05-4	Vinyl acetate	< 2.0 %	203-545-4 607-023-00-0	F; R11 Flam. Liq. 2: H225
91-20-3	Naphthalene	< 2.0 %	202-049-5 601-052-00-2	Xn; N; R22-40-50/53 Acute Tox.(O) 4: H302 Carcinogen 2: H351 Aquatic (A) 1: H400 Aquatic (C) 1: H410
111-76-2	Ethanol, 2-Butoxy-	< 2.0 %	203-905-0	Xn; R20/21/22-36/38



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			603-014-00-0	Acute Tox.(O) 4: H302 Acute Tox.(D) 4: H312 Skin Corr. 2: H315 Eye Damage 2A: H319 Acute Tox.(I) 4: H332
64742-94-5	Solvent naphtha (petroleum), Heavy arom.	< 1.0 %	265-198-5	Xn; R65
			649-424-00-3	Asp. Toxic. 1: H304
95-63-6	1,2,4-Trimethylbenzene	< 1.0 %	202-436-9	Xn; N; R10-20-36/37/38-51/53
			601-043-00-3	Flam. Liq. 3: H226 Skin Corr. 2: H315 Eye Damage 2A: H319 Acute Tox.(I) 4: H332 TOST (SE) 3: H335 H336 Aquatic (C) 2: H411
NA	Oxygenated Hydrocarbons	< 2.0 %	NA	No data available.
			NA	No data available.

Section 4. First Aid Measures

- 4.1 Description of First Aid Measures:** If swallowed, do not induce vomiting. If inhaled, remove to fresh air. Give artificial respiration if needed. 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. Wash affected area with soap and water. Call physician immediately if adverse reaction occurs.

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Carbon dioxide, foam, dry chemical or water spray.
- 5.2 Flammable Properties and Hazards:** No data available.
- Flash Pt:** 130.00 F (54.4 C) Method Used: TAG Closed Cup
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- 5.3 Fire Fighting Instructions:** Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Avoid spraying water directly into storage containers due to danger of boil over. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode. Combustible fluids can form combustible mixtures at temperatures at or above the flashpoint. Toxic gases will form upon combustion. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Use self-contained breathing apparatus. Do not use solid stream of water, since stream will scatter and spread fire.



Section 6. Accidental Release Measures

6.3 Methods and Material For Containment and Cleaning Up: Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills, implement cleanup procedure. For large spills, implement cleanup procedures, keep public away and advise authorities. Prevent liquid from entering sewers, waterways or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up. Remove from water surfaces by skimming or with suitable absorbents.

Section 7. Handling and Storage

7.1 Precautions To Be Taken in Handling: Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment. Keep out of the reach of children.

7.2 Precautions To Be Taken in Storing: Store in a cool, well-ventilated place away from incompatible materials. Protect material from direct sunlight. Store locked up.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
68334-30-5	Diesel fuel	No data.	No data.	No data.
108-05-4	Vinyl acetate	No data.	TWA: 30 mg/m3 (10 ppm)	No data.
91-20-3	Naphthalene	No data.	TWA: 50 mg/m3 (10 ppm)	TWA: 50 mg/m3
111-76-2	Ethanol, 2-Butoxy-	TWA: 123 mg/m3 (25 ppm) STEL: 246 mg/m3 (50 ppm)	TWA: 9.8 mg/m3 (2 ppm) STEL: 147.6 mg/m3 (30 ppm)	TWA: 98 mg/m3 STEL: 246 mg/m3
64742-94-5	Solvent naphtha (petroleum), Heavy arom.	No data.	No data.	No data.
95-63-6	1,2,4-Trimethylbenzene	No data.	TWA: 100 mg/m3 (20 ppm) STEL: 250 mg/m3 (50 ppm)	TWA: 100 mg/m3
NA	Oxygenated Hydrocarbons	No data.	No data.	No data.
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68334-30-5	Diesel fuel	No data.	TLV: 100 mg/m3	No data.
108-05-4	Vinyl acetate	No data.	TLV: 10 ppm STEL: 15 ppm	No data.
91-20-3	Naphthalene	PEL: 10 ppm	TLV: 10 ppm STEL: 15 ppm	No data.
111-76-2	Ethanol, 2-Butoxy-	PEL: 50 ppm	TLV: 20 ppm	No data.
64742-94-5	Solvent naphtha (petroleum), Heavy arom.	No data.	No data.	No data.
95-63-6	1,2,4-Trimethylbenzene	No data.	No data.	No data.



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NA Oxygenated Hydrocarbons No data. No data. No data.

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Required when spraying or using at elevated temperatures that may generate oil mists. Use explosion proof ventilation system.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses should be adequate protection under most conditions of use. Wear goggles and/or face shield if splashing or spraying is likely. Have suitable eye wash water available.

Protective Gloves: Wear impervious protective gloves, such as Nitrile, Neoprene or PVA.

Other Protective Clothing: Avoid prolonged or repeated skin exposure. Chemicals in mixture can be absorbed through the skin, so prevent contact by wearing impervious protective clothing and long sleeves.

Respiratory Equipment (Specify Type): Assure adequate ventilation to keep oil mists under safe limits. When necessary, wear proper NIOSH approved respirators or SCBA.

Work/Hygienic/Maintenance Practices: Wash hands with plenty of soap and water before eating, drinking, smoking, or using toilet facilities. Take shower after work if general skin contact occurs. Remove oil soaked clothing and launder before reuse. Launder or discard contaminated leather gloves and shoes.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

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

Appearance and Odor: Amber, clear liquid with amine, aromatic odor.

pH: NP

Melting Point: No data.

Boiling Point: No data.

Flash Pt: 130.00 F (54.4 C) Method Used: TAG Closed Cup

Evaporation Rate: NP

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

Vapor Pressure (vs. Air or mm Hg): 3 at 100.0 F (37.8 C)

Vapor Density (vs. Air = 1): NP

Specific Gravity (Water = 1): .90 at 60.0 F (15.6 C)

Solubility in Water: Negligible

Autoignition Pt: No data.

9.2 Other Information

Percent Volatile: No data.

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: Excessive heat, sources of ignition, strong oxidizers.

10.5 Incompatibility - Materials To Avoid: Strong oxidizing agents.



10.6 Hazardous Decomposition Or Byproducts: Oxides of nitrogen and carbon monoxide.

Section 11. Toxicological Information

11.1 Information on Toxicological Effects: The International Agency for Research on Cancer (IARC) evaluated vinyl acetate in 1995 and found it to be a possible human carcinogen, Classification 2B. The American Conference of Governmental Industrial Hygienists (ACGIH) has evaluated vinyl acetate and found it to be a group A3, animal carcinogen. The ACGIH also reported that available evidence suggests that the agent is not likely to cause cancer in humans at the recommended exposure levels.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
68334-30-5	Diesel fuel	n.a.	2B	A3	n.a.
108-05-4	Vinyl acetate	n.a.	2B	A3	n.a.
91-20-3	Naphthalene	Possible	2B	A4	n.a.
111-76-2	Ethanol, 2-Butoxy-	n.a.	3	A3	n.a.
64742-94-5	Solvent naphtha (petroleum), Heavy arom.	n.a.	n.a.	n.a.	n.a.
95-63-6	1,2,4-Trimethylbenzene	n.a.	n.a.	n.a.	n.a.
NA	Oxygenated Hydrocarbons	n.a.	n.a.	n.a.	n.a.

Section 12. Ecological Information

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 (US DOT):

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: Flammable liquids, n.o.s. (Clear Diesel Fuel, Vinyl Acetate, 1,2,4 Trimethylbenzene, Napthalene), Ltd. Qty.
UN Number: 1993 **Packing Group:** III
Hazard Class: N.A. **ADR Classification:** 3

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Flammable liquids, n.o.s. (Clear Diesel Fuel, Vinyl Acetate, 1,2,4 Trimethylbenzene, Napthalene), Ltd. Qty.
UN Number: 1993 **Packing Group:** III
Hazard Class: N.A. **IMDG Classification:** 3

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Flammable liquids, n.o.s. (Clear Diesel Fuel, Vinyl Acetate, 1,2,4 Trimethylbenzene, Napthalene), Ltd. Qty.
UN Number: 1993 **Packing Group:** III
Hazard Class: N.A. **IATA Classification:** 3



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)
68334-30-5	Diesel fuel	No	No	No
108-05-4	Vinyl acetate	Yes 1000 LB	Yes 5000 LB	Yes
91-20-3	Naphthalene	No	Yes 100 LB	Yes
111-76-2	Ethanol, 2-Butoxy-	No	No	Yes-Cat. N230
64742-94-5	Solvent naphtha (petroleum), Heavy arom.	No	No	No
95-63-6	1,2,4-Trimethylbenzene	No	No	Yes
NA	Oxygenated Hydrocarbons	No	No	No

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

68334-30-5	Diesel fuel	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
108-05-4	Vinyl acetate	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes; NJ EHS: Yes - 1998; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
91-20-3	Naphthalene	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Inventory, 4 Test, 8A PAIR; CA PROP.65: Yes; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes; NJ EHS: Yes - 1322; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
111-76-2	Ethanol, 2-Butoxy-	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes - Cat.; NJ EHS: Yes - 0275; NY Part 597: No; PA HSL: Yes - 1; SC TAP: Yes - Cat.; WI Air: Yes
64742-94-5	Solvent naphtha (petroleum), Heavy arom.	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
95-63-6	1,2,4-Trimethylbenzene	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 2716; NY Part 597: No; PA HSL: Yes - E; SC TAP: No; WI Air: No
NA	Oxygenated Hydrocarbons	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; 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

68334-30-5	Diesel fuel	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
108-05-4	Vinyl acetate	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes - 146-01
91-20-3	Naphthalene	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA:



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111-76-2	Ethanol, 2-Butoxy-	Yes
64742-94-5	Solvent naphtha (petroleum), Heavy arom.	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
95-63-6	1,2,4-Trimethylbenzene	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
NA	Oxygenated Hydrocarbons	Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: No

European Community Hazard Symbol codes:**European Community Risk and Safety Phrases:**

No data available.

Section 16. Other Information

Revision Date: 10/06/2014**Additional Information About This Product:** No data available.**This Product:****Company Policy or****Disclaimer:**

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