

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** C44, C44B, C44F
Product Name: Max 44 Total Fuel System Cleaner
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant identified uses:
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- | | | | |
|--------------------------|---|----------------------|---------------|
| Company Name: | CYCLO INDUSTRIES
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477 USA | Phone Number: | (800)843-7813 |
| Web site address: | www.cyclo.com | | |
| Email address: | ehs@cyclo.com | | |
- 1.4 Emergency telephone number:**
- | | | |
|---------------------------|----------|-------------------|
| Emergency Contact: | CHEMTREC | (800)424-9300 |
| | | 001 (703)741-5970 |

Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**
Acute Toxicity: Inhalation, Category 4
Acute Toxicity: Oral, Category 4
Acute Toxicity: Skin, Category 4
Carcinogenicity, Category 2
Aspiration Toxicity, Category 1
Aquatic Toxicity (Acute), Category 3
Aquatic Toxicity (Chronic), 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.
H312 - Harmful in contact with skin.
H332 - Harmful if inhaled.
H351 - Suspected of causing cancer.
H373 - May cause damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.

GHS Precaution Phrases:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition source. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.



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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.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

GHS Storage and Disposal Phrases:

P403 - Store in well-ventilated place.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Adverse Human Health No data available.

Effects and Symptoms:

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
68476-34-6	Diesel #2	90.0 -96.0 %	270-676-1 649-227-00-2	Carcinogen 2: H351
NA	Proprietary Ester	< 5.0 %	NA NA	No data available.
100-41-4	Ethylbenzene	2.0 -3.0 %	202-849-4 601-023-00-4	Flam. Liq. 2: H225 Acute Tox.(I) 4: H332 STOT (RE) 2: H373 Asp. Toxic. 1: H304
64771-72-8	Paraffins (petroleum), normal C5-C20	1.0 -2.0 %	265-233-4 NA	Asp. Toxic. 1: H304 EUH066
1330-20-7	Xylene (mixed isomers)	0.5 -1.1 %	215-535-7 601-022-00-9	Flam. Liq. 3: H226 Acute Tox.(D) 4: H312 Skin Corr. 2: H315 Acute Tox.(I) 4: H332
64742-48-9	Hydrotreated heavy naphtha	0.03 -0.3 %	265-150-3 649-327-00-6	Asp. Toxic. 1: H304 Mutagen 1B: H340 Carcinogen 1B: H350



Section 4. First Aid Measures

- 4.1 Description of First Aid:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- Measures:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash contaminated clothing before reuse.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- 4.3 Indication of any immediate medical attention and special treatment needed:** Most important symptoms & effects both acute & delayed: Most important known symptoms & effects are described in the Labeling Section (see Section 2).

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Dry chemical, CO₂, alcohol-resistant foam or water spray.
- 5.2 Flammable Properties and Hazards:** No data available.
- Flash Pt:** 65.00 C (149.0 F) Method Used: Pensky-Marten Closed Cup
- Explosive Limits:** LEL: .7 at 32.0 F (0.0 C) UEL: 10 at 32.0 F (0.0 C)
- Autoignition Pt:** >= 500.00 F (260.0 C)
- 5.3 Fire Fighting Instructions:** Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

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:** Keep unauthorized personnel away. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Sweep or scrape up material and place in a suitable clean, dry container for disposal by approved methods.

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. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Keep out of the reach of children.
- 7.2 Precautions To Be Taken in Storing:** Store locked up. Store in cool/well-ventilated place.



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Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations		
68476-34-6	Diesel #2	ACGIH TLV	TLV: 100 mg/m3			
		Ontario, CA	TWA: 100 mg/m3 (Inhalable aerosol and vapor)			
100-41-4	Ethylbenzene	ACGIH TLV	TLV: 100 ppm STEL: 125 ppm			
		Austria	TWA: 434 mg/m3 (100 ppm) STEL: 543 mg/m3 (125 ppm)			
		California, USA PELs	TWA: 100 ppm STEL: 125 ppm TWA: 22 mg/m3 (5 ppm) STEL: 130 mg/m3 (30 ppm)			
		Ontario, CA	TWA: 100 ppm STEL: 125 ppm			
		China	TWA: 100 mg/m3 STEL: 150 mg/m3 (15 min)			
		Québec, CA	TWA: 434 mg/m3 (100 ppm) STEL: 543 mg/m3 (125 ppm)			
		Europe	TWA: 442 mg/m3 (100 ppm) STEL: 884 mg/m3 (200 ppm)	Skin Absorption		
		Mexico OEL	TWA: 435 mg/m3 (100 ppm) STEL: 545 mg/m3 (125 ppm)			
		NIOSH	TWA: 435 mg/m3 (100 ppm) STEL: 545 mg/m3 (125 ppm) (15 min)			
		New Zealand	TWA: 434 mg/m3 (100 ppm) STEL: 543 mg/m3 (125 ppm)			
		OSHA PELs	PEL: 100 ppm			
		1330-20-7	Xylene (mixed isomers)	ACGIH TLV	TLV: 100 ppm STEL: 150 ppm CEIL: 25 ppm	
				Austria	TWA: 350 mg/m3 (80 ppm) STEL: 655 mg/m3 (150 ppm)	
California, USA PELs	TWA: 435 mg/m3 (100 ppm) STEL: 655 mg/m3 (150 ppm) CEIL: 300 ppm					
Ontario, CA	TWA: 100 ppm STEL: 150 ppm					
China	TWA: 50 mg/m3 STEL: 100 mg/m3 (15 min)					
Québec, CA	TWA: 434 mg/m3 (100 ppm) STEL: 651 mg/m3 (150 ppm)					
Europe	TWA: 221 mg/m3 (50 ppm) STEL: 442 mg/m3 (100 ppm)			Skin Absorption		
Mexico OEL	TWA: 435 mg/m3 (100 ppm) STEL: ()					
NIOSH	TWA: 100 ppm STEL: 150 ppm					
New Zealand	TWA: 217 mg/m3 (50 ppm)					
OSHA PELs	PEL: 100 ppm					
64742-48-9	Hydrotreated heavy naphtha			Ontario, CA	TWA: 525 mg/m3 STEL: 1050 mg/m3	



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64742-48-9 Hydrotreated heavy
naphtha
(continued)

Mexico OEL

TWA: 525 mg/m3

New Zealand

TWA: 525 mg/m3 (100 ppm)

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

8.2.2 Personal protection equipment:

Eye Protection: Safety goggles or safety glasses with side shields.

Protective Gloves: Rubber gloves. Neoprene gloves.

Other Protective Clothing: Clothes to prevent skin contact.

Respiratory Equipment

NIOSH/MSHA approved respirator when exposure is expected to exceed applicable limits.

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: Red liquid with hydrocarbon, aromatic odor.

pH: NA

Melting Point: NA

Boiling Point: > 360.00 F (182.2 C) - 550.00 F (287.8 C)

Flash Pt: 65.00 C (149.0 F) Method Used: Pensky-Marten Closed Cup

Evaporation Rate: NA

Saturated Vapor Concentration: NA

Flammability (solid, gas): No data available.

Explosive Limits: LEL: .7 at 32.0 F (0.0 C) UEL: 10 at 32.0 F (0.0 C)

Vapor Pressure (vs. Air or mm Hg): 1 - 10 MM_HG at 100.0 F (37.8 C)

Vapor Density (vs. Air = 1): 4 - 5

Specific Gravity (Water = 1): 0.827 - 0.847

Density: 6.88 - 7.08 LB/GA

Solubility in Water: NA

Octanol/Water Partition Coefficient: No data.

Autoignition Pt:

>= 500.00 F (260.0 C)

Decomposition Temperature: NA

Viscosity: NA

9.2 Other Information

Percent Volatile: 10.0 % 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:** Stable under normal conditions of handling. High temperatures.
- 10.5 Incompatibility - Materials To Avoid:** Acidic conditions, Contact with oxidizing agents.
- 10.6 Hazardous Decomposition or Byproducts:** Carbon monoxide, silica. Oxides of carbon.

Section 11. Toxicological Information

- 11.1 Information on Toxicological Effects:** No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
68476-34-6	Diesel #2	n.a.	2B	A3	n.a.
NA	Proprietary Ester	n.a.	n.a.	n.a.	n.a.
100-41-4	Ethylbenzene	n.a.	2B	A3	n.a.
64771-72-8	Paraffins (petroleum), normal C5-C20	n.a.	n.a.	n.a.	n.a.
1330-20-7	Xylene (mixed isomers)	n.a.	3	A4	n.a.
64742-48-9	Hydrotreated heavy naphtha	n.a.	n.a.	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.



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Section 13. Disposal Considerations

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

Section 14. Transport Information

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not-Regulated.

UN Number:

Hazard Class:

14.2 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:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not-Regulated.

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)
68476-34-6	Diesel #2	No	No	No
NA	Proprietary Ester	No	No	No
100-41-4	Ethylbenzene	No	Yes 1000 LB	Yes
64771-72-8	Paraffins (petroleum), normal C5-C20	No	No	No
1330-20-7	Xylene (mixed isomers)	No	Yes 100 LB	Yes
64742-48-9	Hydrotreated heavy naphtha	No	No	No

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

68476-34-6	Diesel #2	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; FIFRA: Yes - Active - 063514; FDA/DEA CSA: 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
NA	Proprietary Ester	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; FIFRA: No; FDA/DEA CSA: 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
100-41-4	Ethylbenzene	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory; FIFRA: Yes - Inert: NF; FDA/DEA CSA: No; CA PROP.65: Yes: Canc.; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes; NJ EHS: Yes - 0851; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
64771-72-8	Paraffins (petroleum), normal C5-C20	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; FIFRA: Yes - Inert: F/NF; FDA/DEA CSA: 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;



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Supersedes Revision: 02/10/2015

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

1330-20-7 Xylene (mixed isomers)

CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory; FIFRA: Yes - Active - 086802, Inert: F/NF/Fr; FDA/DEA CSA: No; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: CMR - 44, Part 5; NC TAP: Yes; NJ EHS: Yes - 2014; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes

64742-48-9 Hydrotreated heavy naphtha

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; FIFRA: Yes - Inert: F/NF/Fr; FDA/DEA CSA: 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)

68476-34-6 Diesel #2

International Regulatory Lists

Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 9-1700; Japan ISHL: No; Korea ECL: Yes - KE-17287; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; REACH: Yes - (R), (P)

NA Proprietary Ester

Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: No; Australia ICS: No; New Zealand IOC: No; China IECSC: No; Japan ENCS: No; Japan ISHL: No; Korea ECL: No; Philippines ICCS: No; Taiwan TCSCA: No; Singapore HSL: No; REACH: No

100-41-4 Ethylbenzene

Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes - 1175; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 3-60; Japan ISHL: No; Korea ECL: Yes - KE-13532; Philippines ICCS: Yes; Taiwan TCSCA: 116-01 (4); Singapore HSL: No; REACH: Yes - (R), (P)

64771-72-8 Paraffins (petroleum), normal C5-C20

Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 2-10; Japan ISHL: No; Korea ECL: Yes - KE-27779; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; REACH: Yes - (R), (P)

1330-20-7 Xylene (mixed isomers)

Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 3-60; Japan ISHL: No; Korea ECL: Yes - KE-35427; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; REACH: Yes - (R), (P)

64742-48-9 Hydrotreated heavy naphtha

Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 9-1702; Japan ISHL: No; Korea ECL: Yes - KE-25622; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; REACH: Yes - (R), (P), C2, M2



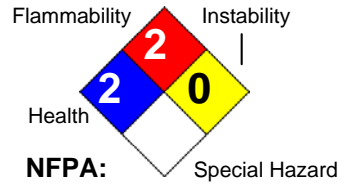
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Section 16. Other Information

Revision Date: 08/16/2017

Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

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