

1. Product and Company Identification

Product Code: C44, C44B, C44F
Product Name: Max 44 Total Fuel System Cleaner
Company Name: CYCLO INDUSTRIES
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: CHEMTREC (800)424-9300
001 (703)741-5970

Intended Use:

2. Hazards Identification

Flammable Liquids, Category 4
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



GHS Signal Word: Danger

GHS Hazard Phrases: H227 - Combustible liquid.
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.
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.



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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.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
68476-34-6	Diesel #2	90.0 -96.0 %
NA	Proprietary Ester	< 5.0 %
100-41-4	Ethylbenzene	2.0 -3.0 %
64771-72-8	Paraffins (petroleum), normal C5-C20	1.0 -2.0 %
1330-20-7	Xylene (mixed isomers)	0.5 -1.1 %
64742-48-9	Hydrotreated heavy naphtha	0.03 -0.3 %

4. First Aid Measures

Emergency and First Aid Procedures:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.

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).

5. Fire Fighting Measures

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)

Suitable Extinguishing Media: Dry chemical, CO2, alcohol-resistant foam or water spray.

Fire Fighting Instructions: Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.



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6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: 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.

7. Handling and Storage

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.

Precautions To Be Taken in Storing: Store locked up. Store in cool/well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68476-34-6	Diesel #2	No data.	TLV: 100 mg/m3	No data.
NA	Proprietary Ester	No data.	No data.	No data.
100-41-4	Ethylbenzene	PEL: 100 ppm	TLV: 100 ppm STEL: 125 ppm	No data.
64771-72-8	Paraffins (petroleum), normal C5-C20	No data.	No data.	No data.
1330-20-7	Xylene (mixed isomers)	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm CEIL: 25 ppm	No data.
64742-48-9	Hydrotreated heavy naphtha	No data.	No data.	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
68476-34-6	Diesel #2	Ontario, CA	TWA: 100 mg/m3 (Inhalable aerosol and vapor)	
100-41-4	Ethylbenzene	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)	
		1330-20-7	Xylene (mixed isomers)	Austria



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CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
1330-20-7 (continued)	Xylene (mixed isomers)	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)	
64742-48-9 naphtha	Hydrotreated heavy	Ontario, CA	TWA: 525 mg/m3 STEL: 1050 mg/m3	
		Mexico OEL	TWA: 525 mg/m3	
		New Zealand	TWA: 525 mg/m3 (100 ppm)	

Respiratory Equipment (Specify Type): NIOSH/MSHA approved respirator when exposure is expected to exceed applicable limits.

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

Protective Gloves: Rubber gloves. Neoprene gloves.

Other Protective Clothing: Clothes to prevent skin contact.

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.

9. 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

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

Saturated Vapor Concentration: NA



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Octanol/Water Partition Coefficient: No data.
Percent Volatile: 10.0 % by weight.
Autoignition Pt: >= 500.00 F (260.0 C)
Decomposition Temperature: NA
Viscosity: NA

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Stable under normal conditions of handling. High temperatures.
Incompatibility - Materials To Avoid: Acidic conditions, Contact with oxidizing agents.
Hazardous Decomposition or Byproducts: Carbon monoxide, silica. Oxides of carbon.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: 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.

12. Ecological Information

No data available.

13. Disposal Considerations

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

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not-Regulated.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not-Regulated.

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not-Regulated.
UN Number:
Hazard Class:



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MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not-Regulated.

UN Number:

Hazard Class:

Packing Group:

IMDG EMS Page:

IMDG MFAG Number:**Marine Pollutant:** No**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)
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; 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



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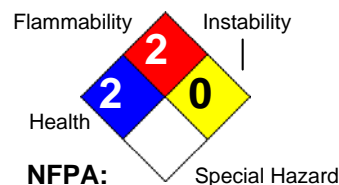
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CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
68476-34-6	Diesel #2	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 9-1700; Japan ISHL: 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

16. Other Information

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Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

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