

### 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	TWA: 350 mg/m3 (80 ppm) STEL: 655 mg/m3 (150 ppm)	



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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)	

<b>Respiratory Equipment (Specify Type):</b>	NIOSH/MSHA approved respirator when exposure is expected to exceed applicable limits.
<b>Eye Protection:</b>	Safety goggles or safety glasses with side shields.
<b>Protective Gloves:</b>	Rubber gloves. Neoprene gloves.
<b>Other Protective Clothing:</b>	Clothes to prevent skin contact.
<b>Engineering Controls (Ventilation etc.):</b>	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

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid		
<b>Appearance and Odor:</b>	Red liquid with hydrocarbon, aromatic odor.		
<b>pH:</b>	NA		
<b>Melting Point:</b>	NA		
<b>Boiling Point:</b>	> 360.00 F (182.2 C) - 550.00 F (287.8 C)		
<b>Flash Pt:</b>	65.00 C (149.0 F) Method Used: Pensky-Marten Closed Cup		
<b>Evaporation Rate:</b>	NA		
<b>Flammability (solid, gas):</b>	No data available.		
<b>Explosive Limits:</b>	LEL: .7	at 32.0 F (0.0 C)	UEL: 10 at 32.0 F (0.0 C)
<b>Vapor Pressure (vs. Air or mm Hg):</b>	1 - 10 MM_HG at 100.0 F (37.8 C)		
<b>Vapor Density (vs. Air = 1):</b>	4 - 5		
<b>Specific Gravity (Water = 1):</b>	0.827 - 0.847		
<b>Density:</b>	6.88 - 7.08 LB/GA		
<b>Solubility in Water:</b>	NA		
<b>Saturated Vapor Concentration:</b>	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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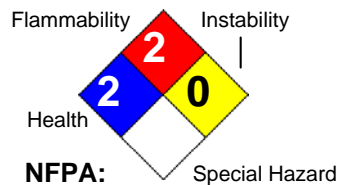
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CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
68476-34-6	Diesel #2	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 9-1700; Japan ISHL: 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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