

SAFETY DATA SHEET

Fuel Injector Clean Up

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Revision: 01/15/2018
Supersedes Revision: 09/06/2017

1. Product and Company Identification

Product Code: C40
Product Name: Fuel Injector Clean Up
Company Name: CYCLO INDUSTRIES, INC.
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: Fuel Treatment

2. Hazards Identification

Skin Corrosion/Irritation, Category 2
Acute Toxicity: Oral, Category 4
Germ Cell Mutagenicity, Category 1B
Carcinogenicity, Category 1B
Aspiration Toxicity, Category 1
Acute Toxicity: Inhalation, Category 4
Aquatic Toxicity (Chronic), Category 1
Acute Toxicity: Skin, Category 4
Aquatic Toxicity (Acute), Category 1



GHS Signal Word: **Danger**

GHS Hazard Phrases: H227 - Combustible liquid.
H304 - May be fatal if swallowed and enters airways.
H312 - Harmful in contact with skin.
H320 - Causes eye irritation.
H332 - Harmful if inhaled.
H351 - Suspected of causing cancer .
H373 - May cause damage to organs through prolonged or repeated exposure.
H411 - Toxic to aquatic life with long lasting effects.

GHS Precaution Phrases: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
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.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P281 - Use personal protective equipment as required.

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GHS Response Phrases:	P370+378 - In case of fire, use foam, alcohol foam, carbon dioxide, dry chemical or water fog 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. 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 - Store in well-ventilated place. P405 - Store locked up. P501 - Dispose of contents/container in accordance with local/regional/national/international regulation.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
68476-34-6	Diesel #2	95.0 -100.0 %
64771-72-8	Paraffins (petroleum), normal C5-C20	0.5 -2.0 %
NA	Methylated homopolymer	0.5 -2.0 %
1330-20-7	Xylene (mixed isomers)	0.2 -0.6 %
64742-48-9	Hydrotreated heavy naphtha	< 0.1 %
100-41-4	Ethylbenzene	< 0.1 %

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. 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 exposed or you feel unwell.
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5. Fire Fighting Measures

Flash Pt:	141.00 F (60.6 C) Method Used: Pensky-Marten Closed Cup
Explosive Limits:	LEL: N.E. UEL: N.E.
Autoignition Pt:	489.00 F (253.9 C)
Suitable Extinguishing Media:	Dry chemical, CO2, water spray or alcohol-resistant foam.
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.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: LARGE SPILLS: Shut off leak if safe to do so. Recover and return free product to proper containers. Contain spilled liquid with sand or earth. Use suitable absorbent materials such as vermiculite, sand, or clay to clean up residual liquids.

7. Handling and Storage

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

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

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.
64771-72-8	Paraffins (petroleum), normal C5-C20	No data.	No data.	No data.
NA	Methylated homopolymer	No data.	No data.	No data.
1330-20-7	Xylene (mixed isomers)	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.
64742-48-9	Hydrotreated heavy naphtha	No data.	No data.	No data.
100-41-4	Ethylbenzene	PEL: 100 ppm	TLV: 100 ppm STEL: 125 ppm	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)	
1330-20-7	Xylene (mixed isomers)	Austria	TWA: 350 mg/m3 (80 ppm) STEL: 655 mg/m3 (150 ppm)	
		California, USA PELs	TWA: 100 ppm STEL: 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: ()	

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CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
1330-20-7 (continued)	Xylene (mixed isomers)	NIOSH	TWA: 100 ppm STEL: 150 ppm	
		New Zealand	TWA: 217 mg/m3 (50 ppm)	
64742-48-9	Hydrotreated heavy naphtha	Ontario, CA	TWA: 525 mg/m3 STEL: 1050 mg/m3	
		Mexico OEL	TWA: 525 mg/m3	
		New Zealand	TWA: 525 mg/m3 (100 ppm)	
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	
		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)	

Respiratory Equipment (Specify Type):

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

Eye Protection:

Wear safety glasses with side shields (or goggles) and a face shield.

Protective Gloves:

Neoprene, nitrile, polyvinyl alcohol (PVA), polyvinyl chloride and polyurethane gloves to prevent skin contact.

Other Protective Clothing:

Clothes to prevent skin contact.

Engineering Controls (Ventilation etc.):

Local exhaust ventilation as necessary to maintain exposures within applicable limits.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Clear red liquid with mild petroleum odor.
pH:	NE
Melting Point:	NE
Boiling Point:	360.00 F (182.2 C) - 550.00 F (287.8 C)
Flash Pt:	141.00 F (60.6 C) Method Used: Pensky-Marten Closed Cup
Evaporation Rate:	NE
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: N.E. UEL: N.E.
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

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Specific Gravity (Water = 1): .83
Density: NE
Solubility in Water: Negligible
Saturated Vapor Concentration: NE
Octanol/Water Partition Coefficient: No data.
Percent Volatile: 10.0 % by weight.
Autoignition Pt: 489.00 F (253.9 C)
Decomposition Temperature: NE
Viscosity: 1.3 - 2.1 at 122.0 F (50.0 C)

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Keep away from heat, sparks & flame.
Incompatibility - Materials To Avoid: Strong oxidizers.
Hazardous Decomposition or Byproducts: 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.
64771-72-8	Paraffins (petroleum), normal C5-C20	n.a.	n.a.	n.a.	n.a.
NA	Methylated homopolymer	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.
100-41-4	Ethylbenzene	n.a.	2B	A3	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 regulation.

14. Transport Information

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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:

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:

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
64771-72-8	Paraffins (petroleum), normal C5-C20	No	No	No
NA	Methylated homopolymer	No	No	No
1330-20-7	Xylene (mixed isomers)	No	Yes 100 LB	Yes
64742-48-9	Hydrotreated heavy naphtha	No	No	No
100-41-4	Ethylbenzene	No	Yes 1000 LB	Yes

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
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
NA	Methylated homopolymer	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
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, Part 5; NC TAP: Yes; NJ EHS: Yes - 2014; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes

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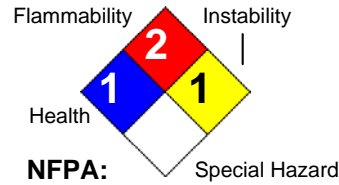
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64742-48-9	Hydrotreated heavy naphtha	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; FIFRA: Yes - Inert: F/NF/Fr; FDA/DEA CSA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
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
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)
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)
NA	Methylated homopolymer	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
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
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)

16. Other Information

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Hazard Rating System:



Additional Information About This Product: No data available.

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