

SAFETY DATA SHEET

Fuel Injector Clean Up

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:** C40
Product Name: Fuel Injector Clean Up
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against:**
Relevant identified uses: Fuel Treatment
- 1.3 **Details of the Supplier of the Safety Data Sheet:**
Company Name: CYCLO INDUSTRIES, INC. **Phone Number:** (800)843-7813
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477 USA
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:**
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

- 2.2 **Label Elements:**



GHS Signal Word: Danger

GHS Hazard Phrases:

- 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.

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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.

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.

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	95.0 -100.0 %	270-676-1 649-227-00-2	Carcinogen 2: H351
64771-72-8	Paraffins (petroleum), normal C5-C20	0.5 -2.0 %	265-233-4 NA	Asp. Toxic. 1: H304 EUH066
NA	Methylated homopolymer	0.5 -2.0 %	NA NA	No data available.
1330-20-7	Xylene (mixed isomers)	0.2 -0.6 %	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	< 0.1 %	265-150-3 649-327-00-6	Asp. Toxic. 1: H304 Mutagen 1B: H340 Carcinogen 1B: H350
100-41-4	Ethylbenzene	< 0.1 %	202-849-4 601-023-00-4	Flam. Liq. 2: H225 Acute Tox.(I) 4: H332

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.
- 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.

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Dry chemical, CO2, water spray or alcohol-resistant foam.
- 5.2 Flammable Properties and Hazards:** No data available.
- 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)
- 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:** 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.

Section 7. Handling and Storage

- 7.1 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.

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Use personal protective equipment as required.
Keep out of the reach of children.

7.2 Precautions To Be Taken in Storing:

Store in cool/well-ventilated place. Store locked up.

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)	
1330-20-7	Xylene (mixed isomers)	ACGIH TLV	TLV: 100 ppm STEL: 150 ppm	
		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: ()	
		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	
		Mexico OEL	TWA: 525 mg/m3	
100-41-4	Ethylbenzene	New Zealand	TWA: 525 mg/m3 (100 ppm)	
		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	
		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)	

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(continued)

New Zealand

OSHA PELs

STEL: 545 mg/m³ (125 ppm) (15 min)TWA: 434 mg/m³ (100 ppm)STEL: 543 mg/m³ (125 ppm)

PEL: 100 ppm

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Local exhaust ventilation as necessary to maintain exposures within applicable limits.

8.2.2 Personal protection equipment:

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.

Respiratory Equipment (Specify Type): 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: 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

Saturated Vapor Concentration: 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

Specific Gravity (Water = 1): .83

Density: NE

Solubility in Water: Negligible

Octanol/Water Partition Coefficient: No data.

Autoignition Pt: 489.00 F (253.9 C)

Decomposition Temperature: NE

Viscosity: 1.3 - 2.1 at 122.0 F (50.0 C)

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 -** No data available.
Hazardous Reactions:
Possibility of Will occur [] Will not occur [X]
Hazardous Reactions:
- 10.4 Conditions To Avoid -** Keep away from heat, sparks & flame.
Instability:
- 10.5 Incompatibility -** Strong oxidizers.
Materials To Avoid:
- 10.6 Hazardous** Oxides of carbon.
Decomposition or
Byproducts:

Section 11. Toxicological Information

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

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.

Section 12. Ecological Information

- 12.1 Toxicity:** No data available.
- 12.2 Persistence and** No data available.
Degradability:
- 12.3 Bioaccumulative** No data available.
Potential:
- 12.4 Mobility in Soil:** No data available.
- 12.5 Results of PBT and** No data available.
vPvB assessment:
- 12.6 Other adverse effects:** No data available.

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 (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
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

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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

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)

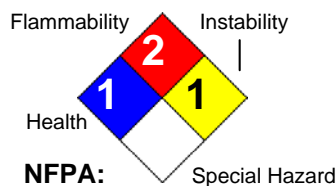
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Section 16. Other Information

Revision Date: 01/15/2018

Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

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