

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Date of issue: 12/31/2014

Revision date: 07/12/18 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

: FVP FUEL INJECTOR CLEANER : 2112

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Product name Product code

: ⁻uel system cleaner.

1.3. Details of the supplier of the safety data sheet

Factory Motor parts 1380 Corporate Center Curve, #200 Eagan, MN 55121 866-387-3343 Emergency number: Infotrac 1-800-535-5053

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture GHS-US classification

Flammable Liquid 2 Skin irritation 2 Carcinogenicity 2 Specific target organ toxicity - Single exposure 3 Aspiration hazard 1

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



: Danger

Hazard statements (GHS-US)

Signal word (GHS-US)

Precautionary statements (GHS-US)

- : Highly flammable liquid and vapor. Causes skin irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.
- : Keep away from heat/sparks/open flames/hot surfaces.- 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. Wear protective gloves/eye protection/face protection. Wash hands thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. If on skin (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

4 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

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NEXREG

Page 1

Name: to the Hazard Communication Standard (0	CFR29 1910.12 Product identifier	%	GHS-US classification
Kerosine, petroleum	(CAS No) 8008-20-6	60 - 100	Flam. Liq. 3 Skin Irrit. 2 STOT SE 3 Asp. Tox. 1
Polyolefin alkyl phenol alkyl amine	Propriatary	1 - 2	Skin Irrit. 2 Eye Irrit. 2A
Benzene, 1,2,4-trimethyl-	(CAS No) 95-63-6	0.5 - 1.5	Flam. Liq. 3 Acute Tox. 4 (Inhalation) Skin Irrit. 2 Eye Irrit. 2A STOT SE 3
Naphthalene	(CAS No) 91-20-3	< 0.5	Acute Tox. 4 (Oral) Carc. 2
Cumene	(CAS No) 98-82-8	< 0.1	Flam. Liq. 3 Acute Tox. 4 (Oral) Carc. 2 STOT SE 3 Asp. Tox. 1
Ethylbenzene	(CAS No) 100-41-4	< 0.1	Flam. Liq. 2 Acute Tox. 4 (Inhalation) Skin Irrit. 2 Carc. 2
Toluene	(CAS No) 108-88-3	< 0.1	Flam. Liq. 2 Skin Irrit. 2 Repr. 2 (developmental) STOT SE 3 STOT RE 2 Asp. Tox. 1
Benzene	(CAS No) 71-43-2	< 0.1	Flam. Liq. 2 Acute Tox. 4 (Oral) Skin Irrit. 2 Eye Irrit. 2A Muta. 1B Carc. 1A STOT RE 1 Asp. Tox. 1
Furan	(CAS No) 110-00-9	< 0.1	Flam. Liq. 1 Acute Tox. 4 (Oral) Acute Tox. 3 (Inhalation) Skin Irrit. 2 Muta. 2 Carc. 1B STOT RE 2
Propylene oxide	(CAS No) 75-56-9	< 0.1	Flam. Liq. 1 Acute Tox. 3 (Inhalation) Acute Tox. 4 (Oral, Dermal) Eye Irrit. 2A Muta. 1B Carc. 2 STOT SE 3
Acetaldehyde	(CAS No) 75-07-0	< 0.1	Flam. Liq. 1 Eye Irrit. 2A Carc. 2 STOT SE 3

* The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures after inhalation	: f inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: n case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
First-aid measures after eye contact	: n case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

both acute and delayed

FAVE FUE Implinite Control of the Co

Symptoms/injuries after inhalation	: system depression.
Symptoms/injuries after skin contact	: system depression. Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking
-	of the skin.
Symptoms/injuries after eye contact	: <i>J</i> ay cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear
Symptoms/injuries after ingestion	: <i>A</i> ay be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

Indication of any immediate medical attention and special treatment needed 4.3.

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1.	Extinguishing media	
Suitable	extinguishing media ole extinguishing media	: ^o owder, water spray, foam, carbon dioxide. : Jo not use a heavy water stream.
5.2.	Special hazards arising from the su	bstance or mixture
Fire haz	ard	: ^o roducts of combustion may include, and are not limited to: oxides of carbon, aldehydes, hydrocarbons.
5.3.	Advice for firefighters	
Protectio	on during firefighting	: (eep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Use water spray to keep fire-exposed containers cool.

SECTION 6: Accidental release measures

6.1. Personal precautions, prote	ctive equipment and emergency procedures	
General measures	: Jse personal protection recommended in Section 8. Isolate the hazard area and deny entry to innecessary and unprotected personnel. Eliminate sources of ignition.	
6.2. Methods and material for co	ontainment and cleaning up	
For containment	: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).	
Methods for cleaning up	: Scoop up material and place in a disposal container. Provide ventilation.	
6.3. Reference to other sections See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.		
ECTION 7: Handling and storage		

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7.1. Precautions for safe handling	
Precautions for safe handling	: (eep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Avoid preathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. Use only non-sparking tools. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area.
Hygiene measures	: .aunder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.
7.2. Conditions for safe storage, inc	cluding any incompatibilities
Storage conditions	: (eep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Store locked up. Keep cool. Keep away from heat, sparks, and flame.
7.3. Specific end use(s)	
Not available.	

Kerosine, petroleum (8008-20-6)

USA ACGIH	1	

ACGIH TWA (mg/m³)

200 mg/m³

Polyolefin alkyl phenol alkyl amine (Propriatary)

Not applicable

OSHA Not applicable Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

		Benzene, 1,2,4-trimethyl- (95-63-6)
Salety Data Sheet	Not applicable sation Standard (CFR29 1910.1200) HazCom 2012	
Naphthalene (91-20-3)	anon dialitiaria (di fice 1810, 1200) filazdoni 2012	
USA ACGIH	ACGIH TWA (ppm)	10 ppm
USA ACGIH	ACGIH STEL (ppm)	15 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	50 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm
Cumene (98-82-8)	· ·	
USA ACGIH	ACGIH TWA (ppm)	50 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	245 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	50 ppm
Ethylbenzene (100-41-4)		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Toluene (108-88-3) USA ACGIH	ACGIH TWA (ppm)	20 nnm
USA OSHA	OSHA PEL (TWA) (ppm)	20 ppm
		200 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
Benzene (71-43-2)		
USA ACGIH	ACGIH TWA (ppm)	0.5 ppm
USA ACGIH	ACGIH STEL (ppm)	2.5 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	1 ppm
USA OSHA	OSHA PEL (STEL) (ppm)	5 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	25 ppm
Furan (110-00-9)		
ACGIH	Not applicable	
OSHA	Not applicable	
Propylene oxide (75-56-9)		
USA ACGIH	ACGIH TWA (ppm)	2 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	240 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Acetaldehyde (75-07-0)		
USA OSHA	OSHA PEL (TWA) (mg/m³)	360 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm

8.2. Exposure controls	
Appropriate engineering controls	: Jse ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below ecommended exposure limits.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Near chemically resistant protective gloves.
Eye protection	: Safety glasses or goggles are recommended when using product.
Skin and body protection	: Near suitable protective clothing.

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Environmental exposure controls Other information

recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirator selection must be based on known or anticipated exposure levels, the according to the Hazard Communication Standard (CFR29 1shazards of the product and the safe working limits of the selected respirator. : Maintain levels below Community environmental protection thresholds.

- - : Jo not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical a	nd chemical properties
Physical state	: .iquid
Appearance	: Clear
Color	: \mber
Odor	: [•] etroleum odor
Odor threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 22 °C (71 °F)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	:).864 - 0.869
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: lo data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. **Chemical stability**

Stable under normal storage conditions. May form flammable/explosive vapor-air mixture.

Possibility of hazardous reactions 10.3.

No dangerous reaction known under conditions of normal use.

10.4. **Conditions to avoid**

Heat. Incompatible materials. Open flame.

10.5. Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products 10.6.

May include, and are not limited to: oxides of carbon, aldehydes, hydrocarbons.

SECTION 11: Toxicological information

A NIOSH approved respirator is

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11.1. Information on toxicological effects

Degr and Pabelli Construction of Standard CoPPeter 2000 mg/kg C50 Inhibition rat > 6000 mg/kg D50 oral rat > 6200 mg/kg D50 oral rat > 528 mg/l.Ah Benzone, 12,4-trimethyl- (95-63-6)	2112	OLEANEN
C50 inhalation rat No data available Karcsine, petroleum (8008-20-4) D50 oral rat > 5000 mg/kg D50 so rai rat > 5020 mg/kg C50 inhalation rat > 528 mg/kh D50 oral rat 2820 mg/kg D50 oral rat 2820 mg/kg D50 oral rat 18 g/m²/kh D50 oral rat 690 mg/kg D50 oral rat 1400 mg/kg D50 oral rat 1400 mg/kg D50 oral rat 1500 mg/kg D50 oral rat 1504 mg/sg D50 oral rat 1500 mg/kg D50 oral rat	Sefetial Data Sheet	
Acrosine, patroleum (8008-20-6) 5000 mg/kg D50 orar lat > 5000 mg/kg D50 orar lat > 5200 mg/kg C50 inhalation rat > 528 mg/l4h Benzene, 12,4-trimethy- (85-63-6)	LD50 dermal rabbit	> 2000 mg/kg
D50 orairat > 5000 mg/kg D50 dermal rabbit > 2200 mg/kg C50 inhalistion rat > 52 mg/k4h Boozen, 12,4-trimethyl- (95-63-6)	LC50 inhalation rat	No data available
D80 demai rabbit > 2000 mg/kg C50 inhalation rat > 5.28 mg/l4h Beaznen 1,2.4trimethyl (95-63-6)	Kerosine, petroleum (8008-20-6)	
C50 inhalation rat > 5.28 mg/l/4h Benzene, 1,2,4-trimethyle (95-63-6)	LD50 oral rat	> 5000 mg/kg
Banzene, 1,2,4-trimethyl- (95-63-6) 280 mg/kg D50 oran lat 3160 mg/kg D50 demial rabbit > 3160 mg/kg C550 inhalation rat 18 g/m?4h Naphthalone (91-20-3)	LD50 dermal rabbit	> 2000 mg/kg
D50 oral rat 3280 mg/kg D50 dermal rabbit > 3160 mg/kg C50 inhalation rat 18 g/m ³ /4h Naphthalora (91-20-3) 490 mg/kg D50 oral rat 1400 mg/kg D50 oral rat 1400 mg/kg D50 oral rat 38000 mg/mg/4h Ethylboazene (100-41-4) 20 j/kg D50 oral rat 3500 mg/kg D50 oral rat 3500 mg/kg D50 oral rat 3500 mg/kg D50 oral rat 5000 mg/kg D50 oral rat 17.2 mg/l/4h C60 inhalation rat 12124 mg/kg C50 orbitation rat 2810 mg/kg D50 oral rat > 5000 mg/kg D50 oral rat 24.1 mg/kdh Banzene (71-43-2) 26.1 mg/kg D50 oral rat 28.1 mg/kdh Banzene (71-43-2) 20.4 mg/kg D50 oral rat 52.0 mg/kg D50 oral rat 52.0 mg/kg D50 oral rat 3380 mg/kg D50 oral rat 52.0 mg/kg D50 oral rat 3398 ppm/1h Propulse oxide (75-58-9) 20.0 mg/kg D50 o	LC50 inhalation rat	> 5.28 mg/l/4h
D50 demai rabbit > 3160 mg/kg C50 inhalation rat 18 g/m ³ /4h Naphthalene (91-20-3)	Benzene, 1,2,4-trimethyl- (95-63-6)	
C650 inhalation rat 18 g/m ¹ /4 Naphthalene (91-20-3)	LD50 oral rat	3280 mg/kg
Naphthalene (91-20-3) 490 mg/kg D50 oral rat 490 mg/kg D50 dermal rabbit > 20 g/kg Common (98-2-6)	LD50 dermal rabbit	> 3160 mg/kg
D50 oral rat 490 mg/kg D50 oral rat ≥ 0 g/kg Cumene (98-82-8)	LC50 inhalation rat	18 g/m³/4h
D50 dermal rabbit > 20 g/kg Cumene (98-82-8) - D50 oral rat 1400 mg/kg D50 dermal rabbit >3160 mg/kg C50 inhalation rat 39000 mg/m³/4h Ethylbonzene (100-41-4) - D50 dermal rabbit 15354 mg/kg C50 inhalation rat 17.2 mg/l/4h Toluene (108-88-3) - D50 dermal rabbit 5000 mg/kg D50 dermal rat 12124 mg/kg C50 inhalation rat 28.1 mg/l/4h Benzene (71-43-2) - D50 dermal rabbit 9.0 mg/kg D50 dermal rabbit 1305 n/4380 ppm/lh C50 inhalation rat 1309 mg/kg D50 dermal rabbit 9.0 mg/kg D50 dermal rabbit 1244 mg/kg C50 inhalation rat 13090 pm/kh C50 inhalation rat 13090 pm/kg D50 dermal rabbit 1244 mg/kg	Naphthalene (91-20-3)	
Dumone (98-82-8) 1400 mg/kg D50 dernal rabit >3160 mg/kg C50 inhaliation rat 39000 mg/m ³ /4h Ethylbenzene (100-41-4) 5000 mg/kg D50 dernal rabit 15354 mg/kg C50 inhaliation rat 17.2 mg/l/4h C50 inhaliation rat 17.2 mg/l/4h C50 inhaliation rat 17.2 mg/l/4h C50 inhaliation rat 27.500 mg/kg D50 dermal rabit 8390 mg/kg D50 dermal rabit 28.1 mg/l/4h Benzene (71-43-2) 28.1 mg/l/4h D50 dermal rabit 29.4 ml/kg D50 dermal rabit 930 mg/kg D50 dermal rabit 29.4 ml/kg C50 inhalation rat 2398 ppm/1h Percence (71-43-2) 2000 mg/kg D50 dermal rabit 9.4 ml/kg C50 inhalation rat 3398 ppm/1h Propylene oxide (75-69-9) 2000 ppm/kh D50 dermal rabit 1244 mg/kg C50 inhalation rat 13300 ppm/kh Acetaldehyde (75-67-9) 200 mg/kg D50 dermal rabit 1244 mg/kg C50 inhalat	LD50 oral rat	490 mg/kg
D50 oral rat 1400 mg/kg D50 demai rabbit >3160 mg/kg C50 inhalation rat 39000 mg/m³/4h Ethylbenzene (100-41-4) Ethylbenzene (100-41-4) 15354 mg/kg C50 inhalation rat 17.2 mg/l4h C50 inhalation rat 17.2 mg/l4h Foluene (108-88-3) D50 oral rat > 5000 mg/kg D50 oral rat > 5000 mg/kg D50 demai rabbit 8390 mg/kg D50 demai rabbit 28.1 mg/l/4h Sol inhalation rat 28.1 mg/l/4h Senzen (71-43-2) > 5000 mg/kg D50 demai rabbit > 9.4 ml/kg D50 oral rat 930 mg/kg D50 oral rat 13050-14380 ppm/4h Fura (110-0-9) C50 inhalation rat 13050-14380 ppm/4h Fura (110-0-9) D50 demai rabbit 124 mg/kg D50 demai rabbit 124 mg/kg D50 demai rabbit 124 mg/kg D50 oral rat 500 mg/kg D50 oral rat 13300 ppm/4h C40 mg/kg <td>LD50 dermal rabbit</td> <td>> 20 g/kg</td>	LD50 dermal rabbit	> 20 g/kg
D50 oral rat 1400 mg/kg D50 demai rabbit >3160 mg/kg C50 inhalation rat 39000 mg/m³/4h Ethylbenzene (100-41-4) Ethylbenzene (100-41-4) 15354 mg/kg C50 inhalation rat 17.2 mg/l4h C50 inhalation rat 17.2 mg/l4h Foluene (108-88-3) D50 oral rat > 5000 mg/kg D50 oral rat > 5000 mg/kg D50 demai rabbit 8390 mg/kg D50 demai rabbit 28.1 mg/l/4h Sol inhalation rat 28.1 mg/l/4h Senzen (71-43-2) > 5000 mg/kg D50 demai rabbit > 9.4 ml/kg D50 oral rat 930 mg/kg D50 oral rat 13050-14380 ppm/4h Fura (110-0-9) C50 inhalation rat 13050-14380 ppm/4h Fura (110-0-9) D50 demai rabbit 124 mg/kg D50 demai rabbit 124 mg/kg D50 demai rabbit 124 mg/kg D50 oral rat 500 mg/kg D50 oral rat 13300 ppm/4h C40 mg/kg <td>Cumene (98-82-8)</td> <td></td>	Cumene (98-82-8)	
D50 demal rabbit >3160 mg/kg C50 inhalation rat 39000 mg/m²/4h Ethylbenzene (100-41-4)		1400 mg/kg
LC50 inhalation rat 39000 mg/m³/4h Ethylbenzene (100-41-4) J D50 oral rat 3554 mg/kg C50 inhalation rat 17.2 mg/l/4h C50 inhalation rat 17.2 mg/l/4h Colume (108-88-3) J D50 dermal rabbit 8390 mg/kg C50 inhalation rat 12124 mg/kg C50 inhalation rat 28.1 mg/l/4h Benzene (71-43-2) J D50 dermal rabbit 9.4 ml/kg C50 inhalation rat 930 mg/kg D50 dermal rabbit 9.4 ml/kg C50 inhalation rat 3398 pm/1h Propylene oxide (75-68-9) J D50 dermal rabbit 1244 mg/kg C50 inhalation rat 4000 pm/m/h Acetaldehyde (75-07-0) J D50 oral rat 1930 mg/kg C50 inhalation rat 1930 mg/kg C50 inhalation rat 1930 mg/kg D50 oral rat 1930 mg/kg		
D50 oral rat 3600 mg/kg D50 demal rabbit 15354 mg/kg C50 inhalation rat 17.2 mg/l/4h Foluene (108-88-3) D50 oral rat D50 oral rat > 5000 mg/kg D50 demal rabbit 8390 mg/kg D50 demal rat 12124 mg/kg D50 demal rat 12124 mg/kg C50 inhalation rat 28.1 mg/l/4h Benzene (71-43-2) D50 odermal rabbit D50 odermal rabbit 930 mg/kg D50 odermal rabbit 940 ml/kg C50 inhalation rat 13050-14380 ppm/4h Furan (110-00-9) - C50 inhalation rat 3398 ppm/1h Propylene oxide (75-56-9) - D50 oral rat 520 mg/kg D50 oral rat 520 mg/kg D50 oral rat 1244 mg/kg C50 inhalation rat 13300 ppm/4h Acetaldehyde (75-0-0) - D50 oral rat 13300 ppm/4h Skin corrosion/irritation : Causes skin irritation. Serious eye damage/irritation : Based on available data, the classification criteria are not met.	LC50 inhalation rat	39000 mg/m³/4h
D50 demal rabbit 15354 mg/kg C50 inhalation rat 17.2 mg/l/4h Foluenc (108-88-3)	Ethylbenzene (100-41-4)	
D50 demal rabbit 15354 mg/kg C50 inhalation rat 17.2 mg/l/4h Foluenc (108-88-3)	LD50 oral rat	3500 mg/kg
LC50 inhalation rat 17.2 mg/l/4h Foluene (108-88-3)	LD50 dermal rabbit	
D50 oral rat > 5000 mg/kg D50 dermal rabbit 8390 mg/kg D50 dermal rabbit 12124 mg/kg C50 inhalation rat 28.1 mg/l/4h Benzene (71-43-2)	LC50 inhalation rat	
D50 dermal rabbit 8390 mg/kg D50 dermal rat 12124 mg/kg D50 dermal rat 12124 mg/kg C50 inhalation rat 28.1 mg/l/4h Benzene (71-43-2)	Toluene (108-88-3)	
D50 dermal rat12124 mg/kgLC50 inhalation rat28.1 mg/l/4hBenzene (71-43-2)28.1 mg/l/4hD50 oral rat930 mg/kgLC50 inhalation rat930 mg/kgLC50 inhalation rat13050-14380 ppm/4hFuran (110-00-9)13050-14380 ppm/4hLC50 inhalation rat3398 ppm/1hPropylene oxide (75-56-9)1244 mg/kgLD50 dermal rabbit1244 mg/kgLC50 inhalation rat520 mg/kgLD50 dermal rabbit1244 mg/kgLC50 inhalation rat4000 ppm/4hAcetaldehyde (75-07-0)13300 ppm/4hLD50 oral rat13300 ppm/4hSkin corrosion/irritation: Causes skin irritation.Serious eye damage/irritation: Based on available data, the classification criteria are not met.Sepiratory or skin sensitisation: Based on available data, the classification criteria are not met.Carcinogenicity: Based on available data, the classification criteria are not met.Carcinogenicity: Based on available data, the classification criteria are not met.	LD50 oral rat	> 5000 mg/kg
C50 inhalation rat 28.1 mg/l/4h Benzene (71-43-2) 930 mg/kg D50 oral rat 930 mg/kg LD50 dermal rabbit > 9.4 ml/kg LC50 inhalation rat 13050-14380 ppm/4h Furan (110-00-9)	LD50 dermal rabbit	8390 mg/kg
Barzene (71-43-2) D50 oral rat 930 mg/kg D50 dermal rabbit > 9.4 ml/kg C50 inhalation rat 13050-14380 ppm/4h Furan (110-00-9)	LD50 dermal rat	12124 mg/kg
D50 oral rat 930 mg/kg D50 dermal rabbit > 9.4 ml/kg LC50 inhalation rat 13050-14380 ppm/4h Furan (110-00-9) LC50 inhalation rat 3398 ppm/1h Propylene oxide (75-56-9) LD50 dermal rabbit 520 mg/kg D50 oral rat 520 mg/kg D50 dermal rabbit 1244 mg/kg .C50 inhalation rat 4000 ppm/4h Acetaldehyde (75-07-0) LD50 oral rat 1930 mg/kg .C50 inhalation rat 1930 ng/kg .C50 inhalation rat 1930 mg/kg .C50 inhalation rat 1930 ng/kg .C50 inhalation rat 1930 ng/kg .C50 inhalation rat 13300 ppm/4h Skin corrosion/irritation : Causes skin irritation. Serious eye damage/irritation : Based on available data, the classification criteria are not met. Respiratory or skin sensitisation : Based on available data, the classification criteria are not met. Serm cell mutagenicity : Based on available data, the classification criteria are not met. Carcinogenicity : Suspected of causing cancer.	LC50 inhalation rat	28.1 mg/l/4h
D50 dermal rabbit > 9.4 ml/kg LC50 inhalation rat 13050-14380 ppm/4h Furan (110-00-9)	Benzene (71-43-2)	
LC50 inhalation rat 13050-14380 ppm/4h Furan (110-00-9) 3398 ppm/1h LC50 inhalation rat 3398 ppm/1h Propylene oxide (75-56-9) D50 oral rat LD50 oral rat 520 mg/kg LC50 inhalation rat 4000 ppm/4h Acetaldehyde (75-07-0) D50 oral rat LD50 oral rat 1930 mg/kg LC50 inhalation rat 13300 ppm/4h Skin corrosion/irritation : Causes skin irritation. Serious eye damage/irritation : Based on available data, the classification criteria are not met. Respiratory or skin sensitisation : Based on available data, the classification criteria are not met. Germ cell mutagenicity : Based on available data, the classification criteria are not met. Carcinogenicity : Suspected of causing cancer.	LD50 oral rat	930 mg/kg
Furan (110-00-9) LC50 inhalation rat 3398 ppm/1h Propylene oxide (75-56-9)	LD50 dermal rabbit	
C50 inhalation rat 3398 ppm/1h Propylene oxide (75-56-9) 520 mg/kg LD50 oral rat 520 mg/kg LD50 dermal rabbit 1244 mg/kg LC50 inhalation rat 4000 ppm/4h Acetaldehyde (75-07-0) 1930 mg/kg LC50 inhalation rat 1930 mg/kg LC50 inhalation rat 13300 ppm/4h Skin corrosion/irritation : Causes skin irritation. Serious eye damage/irritation : Based on available data, the classification criteria are not met. Respiratory or skin sensitisation : Based on available data, the classification criteria are not met. Germ cell mutagenicity : Based on available data, the classification criteria are not met. Carcinogenicity : Suspected of causing cancer.	LC50 inhalation rat	13050-14380 ppm/4h
Propylene oxide (75-56-9) D50 oral rat 520 mg/kg D50 dermal rabbit 1244 mg/kg C50 inhalation rat 4000 ppm/4h Acetaldehyde (75-07-0) 1930 mg/kg D50 oral rat 1930 ppm/4h Skin corrosion/irritation causes skin irritation. Serious eye damage/irritation Based on available data, the classification criteria are not met. Germ cell mutagenicity Based on available data, the classification criteria are not met. Germ cell mutagenicity Suspected of causing cancer.	Furan (110-00-9)	
D50 oral rat520 mg/kgD50 dermal rabbit1244 mg/kgLC50 inhalation rat4000 ppm/4hAcetaldehyde (75-07-0)LD50 oral rat1930 mg/kgLC50 inhalation rat1930 mg/kgLC50 inhalation rat13300 ppm/4hSkin corrosion/irritation: Causes skin irritation.Serious eye damage/irritation: Based on available data, the classification criteria are not met.Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.Germ cell mutagenicity: Based on available data, the classification criteria are not met.Carcinogenicity: Suspected of causing cancer.	LC50 inhalation rat	3398 ppm/1h
LD50 dermal rabbit1244 mg/kgLC50 inhalation rat4000 ppm/4hAcetaldehyde (75-07-0)1930 mg/kgLD50 oral rat1930 ng/kgLC50 inhalation rat13300 ppm/4hSkin corrosion/irritation: Causes skin irritation.Serious eye damage/irritation: Based on available data, the classification criteria are not met.Germ cell mutagenicity: Based on available data, the classification criteria are not met.Carcinogenicity: Suspected of causing cancer.	Propylene oxide (75-56-9)	
LC50 inhalation rat 4000 ppm/4h Acetaldehyde (75-07-0) 1930 mg/kg LD50 oral rat 1930 ppm/4h LC50 inhalation rat 13300 ppm/4h Skin corrosion/irritation : Causes skin irritation. Serious eye damage/irritation : Based on available data, the classification criteria are not met. Respiratory or skin sensitisation : Based on available data, the classification criteria are not met. Germ cell mutagenicity : Based on available data, the classification criteria are not met. Carcinogenicity : Suspected of causing cancer.	LD50 oral rat	520 mg/kg
Acetaldehyde (75-07-0) LD50 oral rat 1930 mg/kg _C50 inhalation rat 13300 ppm/4h Skin corrosion/irritation : Causes skin irritation. Serious eye damage/irritation : Based on available data, the classification criteria are not met. Respiratory or skin sensitisation : Based on available data, the classification criteria are not met. Germ cell mutagenicity : Based on available data, the classification criteria are not met. Carcinogenicity : Suspected of causing cancer.	LD50 dermal rabbit	1244 mg/kg
LD50 oral rat1930 mg/kgLC50 inhalation rat13300 ppm/4hSkin corrosion/irritation: Causes skin irritation.Serious eye damage/irritation: Based on available data, the classification criteria are not met.Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.Germ cell mutagenicity: Based on available data, the classification criteria are not met.Carcinogenicity: Suspected of causing cancer.	LC50 inhalation rat	4000 ppm/4h
LC50 inhalation rat 13300 ppm/4h Skin corrosion/irritation : Causes skin irritation. Serious eye damage/irritation : Based on available data, the classification criteria are not met. Respiratory or skin sensitisation : Based on available data, the classification criteria are not met. Germ cell mutagenicity : Based on available data, the classification criteria are not met. Carcinogenicity : Suspected of causing cancer.	Acetaldehyde (75-07-0)	
Skin corrosion/irritation: Causes skin irritation.Serious eye damage/irritation: Based on available data, the classification criteria are not met.Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.Germ cell mutagenicity: Based on available data, the classification criteria are not met.Carcinogenicity: Suspected of causing cancer.	LD50 oral rat	
Serious eye damage/irritation: Based on available data, the classification criteria are not met.Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.Germ cell mutagenicity: Based on available data, the classification criteria are not met.Carcinogenicity: Suspected of causing cancer.	LC50 inhalation rat	13300 ppm/4h
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.Germ cell mutagenicity: Based on available data, the classification criteria are not met.Carcinogenicity: Suspected of causing cancer.	Skin corrosion/irritation	: Causes skin irritation.
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.Germ cell mutagenicity: Based on available data, the classification criteria are not met.Carcinogenicity: Suspected of causing cancer.	Serious eye damage/irritation	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity : Based on available data, the classification criteria are not met. Carcinogenicity : Suspected of causing cancer.	Respiratory or skin sensitisation	: Based on available data, the classification criteria are not met.
Carcinogenicity : Suspected of causing cancer.	Germ cell mutagenicity	
	Carcinogenicity	
		· · · · ·

Naphthalene (91-20-3)

		B - Possibly arcinogenic to
FING FUEL INJECTOR O	LEANER	umans
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity, 3 - Reasonably anticipated to be Human Carcinoge	en
Cumene (98+82+8)rd Communication Standard (CFR	29 1910.1200) HazCom 2012	
IARC group	2B - Possibly carcinogenic to humans	
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity	

	Ethylbenzene (100-41-4)		
	ional Toxicology Program (NTP) Status 1 - Evidence of Carcinogenicity		
Safety Data Sneet *Totuene (10818813)Communication Standard (CFR29 1910.1200) HazCom 2012			
IARC group 3 - Not classifiable			
Benzene (71-43-2)			
IARC group	1 - Carcinogenic to humans		
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity, 2 - Known Human Carcinogens In OSHA Specifically Regulated Carcinogen list		
Furan (110-00-9)			
IARC group	2B - Possibly carcinogenic to humans		
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity, 3 - Reasonably anticipated to be Human Carcinogen		
Propylene oxide (75-56-9)			
IARC group	2B - Possibly carcinogenic to humans		
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity, 3 - Reasonably anticipated to be Human Carcinogen		
Acetaldehyde (75-07-0)			
IARC group	 Carcinogenic to humans (associated with consumption of alcoholic beverages), 2B - Possibly carcinogenic to humans 		
National Toxicology Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen		
Reproductive toxicity	: Based on available data, the classification criteria are not met.		
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.		
	: Based on available data, the classification criteria are not met.		
Aspiration hazard	: May be fatal if swallowed and enters airways.		
Symptoms/injuries after inhalation	: May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression.		
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and crackir of the skin.		
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tea production, with possible redness and swelling.		
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.		
CTION 12: Ecological information			
1. Toxicity			
Ecology - general	: May cause long-term adverse effects in the aquatic environment.		
2. Persistence and degradability			
2112			
Persistence and degradability	Not established.		
3. Bioaccumulative potential			
2112			
Bioaccumulative potential	Not established.		
4. Mobility in soil No additional information available			
.5. Other adverse effects			
Effect on the global warming : Jo known ecological damage caused by this product.			
CTION 13: Disposal considerations			

Water dis Tosal Ecomplexities CTOR CLE According with all local, state, provincial, and federal egulations. The generation of waste should be avoided or minimized wherever possible.

:

Additional Information Communication Standard (CFR29 1910.1200) HazCom 2012

SECTION 14: Transport information	OLE/MER
Safetord Retait boot	FR00 4040 40000 Han-One 2040
according to the Hazard Communication Standard (C UN-No.(DOT)	: JN1993
Proper Shipping Name (DOT)	: -lammable liquids, n.o.s. (Petroleum, Benzene, 1,2,4-trimethyl-)
Department of Transportation (DOT) Hazard Classes	: }
Hazard labels (DOT)	3
Packing group (DOT)	:1
Additional information	
Other information	· No supplementary information available

Other information

Special transport precautions

: No supplementary information available.

: Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Benzene, 1,2,4-trimethyl- (95-63-6)	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1.0 %
Naphthalene (91-20-3)	
Listed on United States SARA Section 313	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	0.1 %
Cumene (98-82-8)	
Listed on United States SARA Section 313	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	1.0 %
Ethylbenzene (100-41-4)	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	0.1 %
Toluene (108-88-3)	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1.0 %
Benzene (71-43-2)	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	0.1 %
Furan (110-00-9)	
Listed on the United States SARA Section 302 Listed on United States SARA Section 313	
SARA Section 302 Threshold Planning Quantity (TPQ) 500
SARA Section 313 - Emission Reporting	0.1 %
Propylene oxide (75-56-9)	
Listed on the United States SARA Section 302 Listed on United States SARA Section 313	

		Τ-Τ-
		indicates
FEVAPSEAUELINAJECTOR CLEAN	Substance that is the subject of a Section 4 test rule under TSCA.	а
SARA Section 302 Threshold Planning Quantity (TPQ)	10000	
SARA Section 313 - Emission Reporting (CFR29 1910.1200	9-12/20m 2012	

- Listed on United States SARA Section 313
- а
- SARA Section 313 Emission Reporting

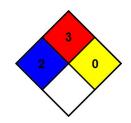
EPA TSCA Regulatory Flag 0.1 %

15.2. US State regulations

2112	
State or local regulations	This product contains chemicals known to the State of California to cause cancer, birth
	defects or other reproductive harm.

SECTION 16: Other information

Indication of changes Date of issue Other information	: \one. : \2/31/2014 : \one.
NFPA health hazard	: 2
NFPA fire hazard	: 3
NFPA reactivity	: 0



Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

FUEL NJECTOR CLEANER C

FVP INTAKE VALVE DEPOSIT CLEANER

The Confident Solution. Safety Data Sheet

Safety Data Sheet Safety Data Sheet Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012, Date of issue: 07/24/2014

07/24/2014 Versi

Version: 1.0

Revision date:

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name CAS No : FVP INTAKE VALVE DEPOSIT CLEANER : 2312

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

: ⁻uel System cleaner.

1.3. Details of the supplier of the safety data sheet

Factory Motor parts 1380 Corporate Center Curve, #200 Eagan, MN 55121 866-387-3343

1.4. Emergency telephone number

Emergency number

: 800) 373-6729 CHEMTREC (800) 424-9300 CHEMTREC International +1 (703) 527-3887 24 hr

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture GHS-US classification

Flammable Liquid 2

Acute toxicity 4 (Dermal, Inhalation) Skin irritation 2 Carcinogenicity 2 Reproductive toxicity 2 (developmental) Specific target organ toxicity - Repeated exposure 2 Aspiration hazard 1

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)

Signal word (GHS-US) Hazard statements (GHS-US)

Precautionary statements (GHS-US)

GHS02 GHS07 GHS08

: Danger

- : Highly flammable liquid and vapor. Harmful in contact with skin or if inhaled. Causes skin irritation. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.
- : Keep away from heat/sparks/open flames/hot surfaces.– 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. Use only outdoors or in a well- ventilated area. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe gas/mist/vapors/spray. If exposed or concerned: Get medical advice/attention. If on skin (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international

regulations.

FVP FUEL INJECTOR CLEANER

Stafedditional terophation available according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

EVP FUEL INJECTOR CLEANER SECTION 3: Composition/information on ingredients

Safety Data Sheet Not applicable Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Xylenes (o-, m-, p- isomers)	(CAS No) 1330-20-7	60 - 100	Flam. Liq. 3 Acute Tox. 4 (Dermal, Inhalation) Skin Irrit. 2
Ethylbenzene	(CAS No) 100-41-4	7 - 30	Flam. Liq. 2 Acute Tox. 4 (Inhalation) Skin Irrit. 2 Carc. 2 Asp. Tox. 1
Toluene	(CAS No) 108-88-3	7 - 13	Flam. Liq. 2 Skin Irrit. 2 Repr. 2 STOT SE 3 STOT RE 2 Asp. Tox. 1
Solvent naphtha, petroleum, light aromatic	(CAS No) 64742-95-6	0.5 - 1.5	Flam. Liq. 3 Skin Irrit. 2 Eye Irrit. 2A Asp. Tox. 1
Cumene	(CAS No) 98-82-8	< 0.1	Flam. Liq. 3 Carc. 2 STOT SE 3 Asp. Tox. 1
Benzene	(CAS No) 71-43-2	< 0.1	Flam. Liq. 2 Acute Tox. 4 (Oral) Skin Irrit. 2 Eye Irrit. 2A Muta. 1B Carc. 1A STOT RE 1 Asp. Tox. 1
Naphthalene	(CAS No) 91-20-3	< 0.1	Acute Tox. 4 (Oral) Carc. 2
Furan	(CAS №) 110-00-9	< 0.1	Flam. Liq. 1 Acute Tox. 3 (Inhalation) Acute Tox. 4 (Oral) Skin Irrit. 2 Muta. 2 Carc. 1B STOT RE 2
Propylene oxide	(CAS No) 75-56-9	< 0.1	Flam. Liq. 1 Acute Tox. 3 (Inhalation) Acute Tox. 4 (Oral, Dermal) Eye Irrit. 2A Muta. 1B Carc. 2 STOT SE 3
Acetaldehyde	(CAS №) 75-07-0	< 0.1	Flam. Liq. 1 Eye Irrit. 2A Carc. 2 STOT SE 3

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: f inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: n case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
First-aid measures after eye contact	 n case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion	: f swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

both acute and delayed

FXP FUE ImpINI SCITCAR CELESCARNER In Innaled. May cause drowsiness, dizziness and central nervous system depression.

Sympto	ms/injuries after inhalation	May cause respiratory tract irritation.
Sympto	ms/injuries after skin contact and ard (CFF	 May cause respiratory tract irritation. armful in contact with skin. Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Sympto	ms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear
Sympto	ms/injuries after ingestion	: <i>N</i> ay be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	: ^o owder, water spray, foam, carbon dioxide. :)o not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard	: ^o roducts of combustion may include, and are not limited to: oxides of carbon, aldehydes, ydrocarbons.	
5.3. Advice for firefighters		
Protection during firefighting	: (eep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Use water spray to keep fire-exposed containers cool.	

SECTION 6: Accidental release measures

6.1. Personal precautions, pr	rotective equipment and emergency procedures
General measures	: Jse personal protection recommended in Section 8. Isolate the hazard area and deny entry to innecessary and unprotected personnel. Eliminate sources of ignition.
6.2. Methods and material fo	r containment and cleaning up
For containment	 Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	: Scoop up material and place in a disposal container. Provide ventilation.
6.3. Reference to other section	ons
See section 8 for further informatic	in on protective clothing and equipment and section 13 for advice on waste disposal

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTIO	N 7: Handling and storage	
7.1.	Precautions for safe handling	

	ons for safe handling measures	 : (eep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Do not preathe gas/mist/vapors/spray. Do not swallow. Handle and open container with care. Use only non-sparking tools. When using do not eat, drink or smoke. Use only outdoors or in a well- ventilated area. : .aunder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.
7.2.	Conditions for safe storage, includ	ling any incompatibilities
Storage	conditions	: Geep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Store locked up. Keep cool. Keep away from heat, sparks, and flame.
7.3.	Specific end use(s)	

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Xylenes (o-, m-, p- isomers) (1330-20-7)		
USA ACGIH	ACGIH TWA (ppm)	100 ppm
USA ACGIH	ACGIH STEL (ppm)	150 ppm

FV:ROFWEL INJECOTIOR CALE ANER

435 mg/m³

EVR EUEL I	NJEGTORIGHEANER	Xylenes (o-, m-, p- isomers) (1330-20-7)
	() (1)	100 ppm
Safety Data She Ethylbenzene (100-41-	et Anunication Standard (CFR29 1910.1200) HazCom 2012	
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	435 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Toluene (108-88-3)		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA PEL (STEL) (ppm)	150 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
Solvent naphtha, petro	bleum, light aromatic (64742-95-6)	
USA ACGIH	ACGIH TWA	Not applicable.
USA OSHA	OSHA PEL (TWA)	Not applicable.
Cumene (98-82-8)		
USA ACGIH	ACGIH TWA (ppm)	50 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	245 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	50 ppm
Benzene (71-43-2)		,
USA ACGIH	ACGIH TWA (ppm)	0.5 ppm
USA ACGIH	ACGIH STEL (ppm)	2.5 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	1 ppm
USA OSHA	OSHA PEL (STEL) (ppm)	5 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	25 ppm
Naphthalene (91-20-3)		· · ·
USA ACGIH	ACGIH TWA (ppm)	10 ppm
USA ACGIH	ACGIH STEL (ppm)	15 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	50 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm
Furan (110-00-9)		
USA ACGIH	ACGIH TWA	Not applicable.
USA OSHA	OSHA PEL (TWA)	Not applicable.
Propylene oxide (75-56	ô-9)	
USA ACGIH	ACGIH TWA (ppm)	2 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	240 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Acetaldehyde (75-07-0)	
USA ACGIH	ACGIH Ceiling (ppm)	25 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	360 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm

F2VP FUEL INJECTOR CLEANERquate to keep exposures (airborne levels of dust, fume, vapor, etc.) below

recommended exposure limits.

Use

Appropriate engineering controls	recommended exposure limits.
Hand protection	: Vear chemically resistant protective gloves.
Eye protection	Safety glasses or goggles are recommended when using product.
Skin and body protection	: Near suitable protective clothing.
Respiratory protection	: \ NIOSH approved respirator is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Jaintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: .iquid.
Appearance	: Clear.
Color	: \mber.
Odor	: [•] etroleum odor.
Odor threshold	: No data available.
рН	: No data available.
Relative evaporation rate (butylacetate=1)	: No data available.
Melting point	: No data available.
Freezing point	: No data available.
Boiling point	: No data available.
Flash point	: - 22 °C (~ 71 °F)
Self ignition temperature	: No data available.
Decomposition temperature	: No data available.
Flammability (solid, gas)	: ⁻ lammable.
Vapor pressure	: No data available.
Relative vapor density at 20 °C	: No data available.
Relative density	:).864 - 0.869
Solubility	: No data available.
Log Pow	: No data available.
Log Kow	: No data available.
Viscosity, kinematic	: No data available.
Viscosity, dynamic	: No data available.
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available.

Other information 9.2.

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. **Chemical stability**

Stable under normal storage conditions. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. **Conditions to avoid**

Heat. Incompatible materials. Open flame.

FVP FUEL INJECTOR CLEANER

TO.5. FVP FUEL INJECTOR CLEANER

Sacidst Bases tStrong exidizing agents.

10 Scording to the Hazard Communication Standard (CEB29 1910.1200) HazCom 2012

May include, and are not limited to: oxides of carbon, aldehydes, hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Harmful in contact with skin or if inhaled.

2312		
LD50 oral rat	> 2000 mg/kg	
LD50 dermal rabbit	>1000 but ≤2000 mg/kg	
LC50 inhalation rat	>10.0 but ≤20.0 mg/l/4h (Calculated using ATE values)	
Xylenes (o-, m-, p- isomers) (1330-20-7)		
LD50 oral rat	4300 mg/kg	

LD50 dermal rabbit	> 1700 mg/kg		
LC50 inhalation rat	5000 ppm/4 h		
Ethylbenzene (100-41-4)			
LD50 oral rat	3500 mg/kg		
LD50 dermal rabbit	15354 mg/kg		
LC50 inhalation rat	17.2 mg/l/4h		
Toluene (108-88-3)	Foluene (108-88-3)		
LD50 oral rat	> 5000 mg/kg		
LD50 dermal rat	12124 mg/kg		
LD50 dermal rabbit	8390 mg/kg		
LC50 inhalation rat	28.1 mg/l/4h		
Solvent naphtha, petroleum, light aromatic	c (64742-95-6)		
LD50 oral rat	8400 mg/kg		
LD50 dermal rabbit	> 2000 mg/kg		
LC50 inhalation rat	3400 ppm/4h		
LC50 inhalation rat	> 5.2 mg/l/4h		
Cumene (98-82-8)			
LD50 oral rat	1400 mg/kg		
LD50 dermal rabbit	> 3160 mg/kg		
LC50 inhalation rat	39000 mg/m³/4 h		
Benzene (71-43-2)			
LD50 oral rat	930 mg/kg		
LD50 dermal rabbit	> 9.4 mL/kg		
LC50 inhalation rat	13050 - 14380 ppm/4h		
Naphthalene (91-20-3)			
LD50 oral rat	490 mg/kg		
LD50 dermal rabbit	> 20 g/kg		
LC50 inhalation rat	>340 mg/m³/4 h		
Furan (110-00-9)			
LC50 inhalation rat	3398 ppm/1h		
Propylene oxide (75-56-9)			
LD50 oral rat	520 mg/kg		
LD50 dermal rabbit	1244 mg/kg		
LC50 inhalation rat	4000 ppm/4h		

	Acetaldehyde (75-07-0)	
		1930
	CTOR CLEANER	mg/kg
LC50 inhalation rat	13300 ppm/4h	

ENVBroEnvIntentionINJECTOR CLEANER

Serious eye damage/irritation	: 3ased on available data, the classification criteria are not met.
Respiratory or skin sensitisation	: 3ased on available data, the classification criteria are not met. : 3ased on available data, the classification criteria are not met.
Germ cell mutagenicity	: 3ased on available data, the classification criteria are not met.
Carcinogenicity	: Suspected of causing cancer.

Xylenes (o-, m-, p- isomers) (1330-20-7)	
IARC group	3 - Not classifiable
Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	1 - Evidence of Carcinogenicity
Toluene (108-88-3)	
IARC group	3 - Not classifiable
Cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	1 - Evidence of Carcinogenicity
Benzene (71-43-2)	
IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	1 - Evidence of Carcinogenicity, 2 - Known Human Carcinogens
	In OSHA Specifically Regulated Carcinogen list
Naphthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	1 - Evidence of Carcinogenicity, 3 - Reasonably anticipated to be Human Carcinogen
Furan (110-00-9)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	1 - Evidence of Carcinogenicity, 3 - Reasonably anticipated to be Human Carcinogen
Propylene oxide (75-56-9)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	1 - Evidence of Carcinogenicity, 3 - Reasonably anticipated to be Human Carcinogen
Acetaldehyde (75-07-0)	
IARC group	1 - Carcinogenic to humans, 2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen
Reproductive toxicity	: Suspected of damaging the unborn child.
Specific target organ toxicity (single exposure)	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation	: Harmful if inhaled. May cause drowsiness, dizziness and central nervous system depression. May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: Harmful in contact with skin. Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

: May cause long-term adverse effects in the aquatic environment.

For the formation of the second secon

Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Not

Safety Data Sheet apponding to the Hazard Communication Standard (CE	
Bioaccumulative potential	Not established.
2.4. Mobility in soil	
No additional information available	
2.5. Other adverse effects	
Effect on ozone layer	: Vo additional information available
Effect on the global warming	: No known ecological damage caused by this product.
SECTION 13: Disposal consideration	s
3.1. Waste treatment methods	
Waste disposal recommendations	: This material must be disposed of in accordance with all local, state, provincial, and federal egulations. The generation of waste should be avoided or minimized wherever possible.
Additional information	: fandle empty containers with care because residual vapors are flammable.
SECTION 14: Transport information	
In accordance with DOT	
4.1. UN number	
UN-No.	: 3295
4.2. UN proper shipping name	
Proper Shipping Name	: Hydrocarbons, liquid, n.o.s. (Xylene, Ethylbenzene, Toluene)
Department of Transportation Hazard Classes	: }
Hazard labels	
Packing group	: 1
4.3. Additional information	
Other information	: No supplementary information available.
Special transport precautions	: Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Xylenes (o-, m-, p- isomers) (1330-20-7)		
Listed on SARA Section 313 (Specific toxic chemical listings)		
SARA Section 313 - Emission Reporting	1.0 %	
Ethylbenzene (100-41-4)		
Listed on SARA Section 313 (Specific toxic chemical listings)		
SARA Section 313 - Emission Reporting	0.1 %	
Toluene (108-88-3)		
Listed on SARA Section 313 (Specific toxic chemical listings)		
SARA Section 313 - Emission Reporting	1.0 %	
Cumene (98-82-8)		
Listed on SARA Section 313 (Specific toxic chemical listings)		

Т-Тindicates a substance

SARA Section 313 Emission Reporting

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

	ANER
Listed on SARA Section 313 (Specific toxic chemical lis	tings)
SARA Section 313 - Emission Reporting	0.1% 1290) HSzCom 2012
Naphthalene (91-20-3)	
Listed on SARA Section 313 (Specific toxic chemical lis	tings)
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	0.1 %
Furan (110-00-9)	
Listed on SARA Section 302 (Specific toxic chemical lis Listed on SARA Section 313 (Specific toxic chemical I	
SARA Section 302 Threshold Planning Quantity (TPQ)	500
SARA Section 313 - Emission Reporting	0.1 %
Propylene oxide (75-56-9)	
Listed on SARA Section 302 (Specific toxic chemical lis Listed on SARA Section 313 (Specific toxic chemical I	0 /
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 302 Threshold Planning Quantity (TPQ)	10000
SARA Section 313 - Emission Reporting	0.1 %
Acetaldehyde (75-07-0)	
Listed on SARA Section 313 (Specific toxic chemical lis	tings)
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	0.1 %

15.2. US State regulations

2312		
State or local regulations	This product contains chemicals known to the State of California to cause cancer, birth	
	defects or other reproductive harm.	

SECTION 16: Other information

Indication of changes Date of issue Other information		: Jone. :)7/24/2014 : Jone.
IFPA health hazard	:	2
IFPA fire hazard	:	3
IFPA reactivity	:	0



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

	FVP F.I. AIR INTAKE CLEANER		
The Confident Solution.	OR CLEANER Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012. Date		
Safety Data Sheet	of issue: 04/30/2014 Revision date: 04/30/2014 Version: 1.0		
according to the Hazard Communication Standard (CER29 1910.1200) HazCom 2012 SECTION 1: Identification of the substance/mixture and of the company/undertaking			
1.1. Product identifier			
Product name Product code	: ⁻ VP F.I. AIR INTAKE CLEANER : 2412		
1.2. Relevant identified uses of the substance or mixture and uses advised against			
Use of the substance/mixture	: ⁻ uel system cleaner.		
1.3.Details of the supplier ofFactory Motor parts1380 Corporate Center Curve, #200Eagan, MN 55121866-387-3343	he safety data sheet		
1.4. Emergency telephone nu	nber		
Emergency number	: 800) 373-6729 CHEMTREC (800) 424-9300 CHEMTREC International +1 (703) 527-3887 24 hr		

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture GHS-US classification

Flammable Liquid 3 Skin irritation 2 Serious eye damage 1 Carcinogenicity 2 Specific target organ toxicity - Single exposure 3 Aspiration hazard 1 2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)

GHS02

Signal word (GHS-US) Hazard statements (GHS-US)

Precautionary statements (GHS-US)

- GHS05 GHS07 GHS08
- : Danger
- : Flammable liquid and vapor. Causes skin irritation. Causes serious eye damage. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.
- : Keep away from heat/sparks/open flames/hot surfaces.– 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. Wear protective gloves/eye protection/face protection. Wash hands thoroughly after handling. Avoid breathing gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. If on skin (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

3.2. Mixture Safety Data Sheet

Name to the Hazard Communication Standard (CFR	29 1910.12 Product Identifier	%	GHS-US classification
Kerosene, petroleum	(CAS No) 8008-20-6	30 - 60	Flam. Liq. 3 Skin Irrit. 2 STOT SE 3 Asp. Tox. 1
sopropyl alcohol	(CAS No) 67-63-0	15 - 40	Flam. Liq. 2 Eye Irrit. 2A STOT SE 3
Solvent naphtha, petroleum, light aromatic	(CAS No) 64742-95-6	7 - 13	Asp. Tox. 1
Alkylphenol polyoxyalkyl alkylamine	Proprietary	7 - 13	Eye Dam. 1
Kylenes (o-, m-, p- isomers)	(CAS No) 1330-20-7	1 - 5	Flam. Liq. 3 Acute Tox. 4 (Dermal, Inhalation) Skin Irrit. 2
Benzene, 1,2,4-trimethyl-	(CAS No) 95-63-6	1 - 5	Flam. Liq. 3 Acute Tox. 4 (Inhalation) Skin Irrit. 2 Eye Irrit. 2A STOT SE 3
1,3,5-Trimethylbenzene	(CAS No) 108-67-8	1 - 5	Flam. Liq. 3 Skin Irrit. 2 Eye Irrit. 2A STOT SE 3 Asp. Tox. 1
n-Propylbenzene	(CAS No) 103-65-1	1 - 5	Flam. Liq. 3 STOT SE 3 Asp. Tox. 1
Cumene	(CAS No) 98-82-8	0.1 - 1	Flam. Liq. 3 Acute Tox. 4 (Oral) Carc. 2
Naphthalene	(CAS No) 91-20-3	0.1 - 1	Acute Tox. 4 (Oral, Dermal) Carc. 2

SECTION 4: First aid measures

4.1. Description of first aid measure	8
First-aid measures after inhalation	: f inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: n case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
First-aid measures after eye contact	: n case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
First-aid measures after ingestion	: f swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.
4.2. Most important symptoms and e	effects, both acute and delayed
Symptoms/injuries after inhalation	: May cause drowsiness, dizziness and central nervous system depression. May cause respiratory ract irritation.
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.
4.2 Indication of any immediate may	diast attention and except treatment readed

4.3. Indication of any immediate medical attention and special treatment needed Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTIO	N 5: Firefighting meas	ures	
5.1.	Extinguishing media		
	extinguishing media le extinguishing media	: ^э owder, water spray, foam, carbon dioxide. : Эо not use a heavy water stream.	
5.2.	Special hazards arising f	from the substance or mixture	

Firm BarFUEL INJECTOR CLEACHER bustion may include, and are not limited to: oxides of carbon.

Safety Data Sheetighters

:

Protection during firefighting firefighting

SECTION 6: Accidental release me	asures
Safety Data Sheet utions, protection according to the Hazard Communication Standard General measures	 CFR29 1910.1200) HazCom 2012 : Jse personal protection recommended in Section 8. Isolate the hazard area and deny entry to innecessary and unprotected personnel. Eliminate sources of ignition.
6.2. Methods and material for conta	ainment and cleaning up
For containment	: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	: Scoop up material and place in a disposal container. Provide ventilation.
ECTION 7: Handling and storage 7.1. Precautions for safe handling	
7.1. Precautions for safe handling Precautions for safe handling	: (eep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Avoid preathing gas/mist/vapors/spray. Do not swallow. Handle and open container with care. Use on non-sparking tools. When using do not eat, drink or smoke. Use only outdoors or in a well-
	ventilated area.
Hygiene measures	: .aunder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage conditions	: Geep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Store locked up. Keep cool. Keep away from heat, sparks, and flame.
7.3. Specific end use(s)	
Not available.	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Kerosene, petroleum	ı (8008-20-6)		
USA ACGIH	ACGIH TWA (mg/m³)	200 mg/m³	
Isopropyl alcohol (67	7-63-0)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm	
USA ACGIH	ACGIH STEL (ppm)	400 ppm	
USA OSHA	OSHA PEL (TWA) (mg/m³)	980 mg/m³	
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm	
Solvent naphtha, pet	roleum, light aromatic (64742-95-6)		
USA ACGIH	ACGIH TWA	Not applicable.	
USA OSHA	OSHA PEL (TWA)	Not applicable.	
Alkylphenol polyoxy	alkyl alkylamine (Proprietary)		
USA ACGIH	ACGIH TWA	Not applicable.	
USA OSHA	OSHA PEL (TWA)	Not applicable.	
Xylenes (o-, m-, p- is	omers) (1330-20-7)		
USA ACGIH	ACGIH TWA (ppm)	100 ppm	
USA ACGIH	ACGIH STEL (ppm)	150 ppm	-
USA OSHA	OSHA PEL (TWA) (mg/m³)	435 mg/m³	

100 ppm

Benzene, 1,2,4-trimethyl- (95-63-6)

OSHA PEL (TWA) (ppm)

USA OSHA

F	WARGINEL INJE	CTIOR GLEANER	25 ppm			
	ିମ୍ମ , କ୍ୟାମାନିକାମ ମାନକାମ ମାନକାମ (108-67-8)					
a	USA ACGIH	ACGIH TWA	Not applicable.			
	USA OSHA	OSHA PEL (TWA)	Not applicable.			

	n-Propylbenzene (103-65-1)		
SAFACGINEL INJI	ECTIOR CLEANER	Not applicable.	
aneositoata Sheet	OSHA PEL (TWA)	Not applicable.	
cording to the Hazard Communic	ation Standard (CFR29 1910.1200) HazCom 2012		
Cumene (98-82-8)			
JSA ACGIH	ACGIH TWA (ppm)	50 ppm	
JSA OSHA	OSHA PEL (TWA) (mg/m³)	245 mg/m³	
JSA OSHA	OSHA PEL (TWA) (ppm)	50 ppm	
Naphthalene (91-20-3)			
JSA ACGIH	ACGIH TWA (ppm)	10 ppm	
JSA ACGIH	ACGIH STEL (ppm)	15 ppm	
JSA OSHA	OSHA PEL (TWA) (mg/m³)	50 mg/m³	
JSA OSHA	OSHA PEL (TWA) (ppm)	10 ppm	
8.2. Exposure controls	5		
ppropriate engineering contro	: Jse ventilation adequate to ecommended exposure lin	keep exposures (airborne levels of dust, fume, vapor, etc.) below hits.	
ersonal protective equipment	: Avoid all unnecessary expo	sure.	
and protection	: Near chemically resistant p	protective gloves.	
ye protection	: Vear approved eye (proper shield) protection.	rly fitted dust- or splash-proof chemical safety goggles) / face (face	

 Skin and body protection
 : Vear suitable protective clothing.

 Respiratory protection
 : \ NIOSH approved respirator is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

 Environmental exposure controls
 : Anintain levels below Community environmental protection thresholds.

: Jo not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

Other information

Physical sta Appearance Colour		: .iquid. : Clear. : No data available.
Colour	3	
		· Jo data available
Odaum		. to data available.
Odour		: ^{>} etroleum odor.
Odour thres	hold	: No data available.
pН		: No data available.
Relative eva	aporation rate (butylacetate=1)	: No data available.
Melting poin	it	: No data available.
Freezing po	int	: No data available.
Boiling point	t	: No data available.
Flash point		: - 26 °C (~ 78 °F)
Self ignition	temperature	: No data available.
Decomposit	ion temperature	: No data available.
Flammability	y (solid, gas)	: ⁻ lammable.
Vapour pres	ssure	: No data available.
Relative vap	oour density at 20 °C	: No data available.
Relative der	nsity	:).811 - 0.823
Solubility		: No data available.
Log Pow		: lo data available.
Log Kow		: lo data available.
Viscosity, ki	nematic	: No data available.
Viscosity, dy	ynamic	: No data available.

EXCRETE INJECTOR CLEANER.

Oxidising properties : Vo data available. Safety Data Sheet Explosive Imits Hazard Communication Standard (CFR29: Vo data available. Standard (CFR29: Vo data available. Vo data available. Vo data available.

:

So additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials. Open flame.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Not classified

2412	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h
Kerosene, petroleum (8008-20-6)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.28 mg/l/4h
Isopropyl alcohol (67-63-0)	
LD50 oral rat	4396 mg/kg
LD50 dermal rat	12800 mg/kg
LD50 dermal rabbit	12870 mg/kg
LC50 inhalation rat (mg/l)	72.6 mg/l/4h
Solvent naphtha, petroleum, light aromatic (64	742-95-6)
LD50 oral rat	8400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (ppm)	3400 ppm/4h
LC50 inhalation rat (mg/l)	> 5.2 mg/l/4h
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 oral rat	4300 mg/kg
LD50 dermal rabbit	> 1700 mg/kg
LC50 inhalation rat (ppm)	5000 ppm/4h
LC50 inhalation rat (mg/l)	47635 mg/l/4h
Benzene, 1,2,4-trimethyl- (95-63-6)	
LD50 oral rat	3400 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat (mg/l)	18 g/m³/4h
1,3,5-Trimethylbenzene (108-67-8)	
LC50 inhalation rat (mg/l)	24 g/m³/4 h
n-Propylbenzene (103-65-1)	

		6040 mg/kg
	LEANER	5 5
LC50 inhalation rat (ppm) Safety Data Sheet	65000 ppm/2h	
Cumene (98-82-8) of Communication Standard (CFR2)	9 1910.1200) HazCom 2012	
LD50 oral rat	1400 mg/kg	
LD50 dermal rabbit	> 3160 mg/kg	
LC50 inhalation rat (mg/m ³)	39000 mg/m³/4 h	

Naphthalene (91-20-3))
---------------	----------	---

490 mg/kg

LD50 dermal rabbit Safety Data Sheet	> 20 g/kg		
Safety Data Sheet	a n Gauses skin trritation		
Serious eye damage/irritation	: Causes serious eye damage.		
Respiratory or skin sensitisation	: Based on available data, the classification criteria are not met.		
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.		
Carcinogenicity	: Suspected of causing cancer.		
Isopropyl alcohol (67-63-0)	h		
IARC group	3		
Xylenes (o-, m-, p- isomers) (1330-20-7)			
IARC group	3		
Cumene (98-82-8)			
IARC group	2B		
National Toxicity Program (NTP) Status	1		
Naphthalene (91-20-3)			
IARC group	2B		
National Toxicity Program (NTP) Status	1, 3		
Reproductive toxicity	: Based on available data, the classification criteria are not met.		
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.		
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met.		
Aspiration hazard	: May be fatal if swallowed and enters airways.		
Symptoms/injuries after inhalation	: May cause drowsiness, dizziness and central nervous system depression. May cause respirat tract irritation.		
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking the skin.		
Symptoms/injuries after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.		
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.		
ECTION 12: Ecological information			
1. Toxicity			
Ecology - general	: May cause long-term adverse effects in the aquatic environment.		
2. Persistence and degradability			
2412			
Persistence and degradability	Not established.		
3. Bioaccumulative potential	•		
2412			
6716	Nataatablishad		
Bioaccumulative potential	NOLESIADIISUED		
Bioaccumulative potential	Not established.		
4. Mobility in soil			
4. Mobility in soil No additional information available	Not established.		
Mobility in soil No additional information available 5. Other adverse effects	Not established.		
Mobility in soil No additional information available Other adverse effects No additional information available			
Mobility in soil No additional information available 5. Other adverse effects			
 Mobility in soil No additional information available Other adverse effects No additional information available ECTION 13: Disposal considerations 	: This material must be disposed of in accordance with all local, state, provincial, and federal		

INJECTOR CLEANER

States Data Sheet JN1993 according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 SECTION 14: Transport information

In accordance with DOT

Proper Shipping Name INJECTOR CLIERAN EQRs, n.o.s. (Petroleum, Isopropanol)

Department of Transportation Hazard Classes 3 Hazard Jabelse Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

	3
Packing group (DOT)	: 11
.3. Additional information	
Other information	: No supplementary information available.
Special transport precautions	: Do not handle until all safety precautions have been read and understood.
ECTION 15: Regulatory informatio	n
5.1. US Federal regulations	
Kerosene, petroleum (8008-20-6)	
Listed on the United States TSCA (Toxic Sub	ostances Control Act) inventory
Isopropyl alcohol (67-63-0)	
Listed on the United States TSCA (Toxic Sub on SARA Section 313 (Specific toxic chemin	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	1.0 %
Solvent naphtha, petroleum, light aromatic	c (64742-95-6)
Listed on the United States TSCA (Toxic Sub	· · ·
Xylenes (o-, m-, p- isomers) (1330-20-7)	
Listed on the United States TSCA (Toxic Sub	ostances Control Act) inventory
Listed on SARA Section 313 (Specific toxic	
SARA Section 313 - Emission Reporting	1.0 %
Benzene, 1,2,4-trimethyl- (95-63-6)	
Listed on the United States TSCA (Toxic Sub	
Listed on SARA Section 313 (Specific toxic	
SARA Section 313 - Emission Reporting	1.0 %
1,3,5-Trimethylbenzene (108-67-8)	
Listed on the United States TSCA (Toxic Sub	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
n-Propylbenzene (103-65-1)	
Listed on the United States TSCA (Toxic Sub	ostances Control Act) inventory
Cumene (98-82-8)	
Listed on the United States TSCA (Toxic Sub Listed on SARA Section 313 (Specific toxic	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	1.0 %
Naphthalene (91-20-3)	
Listed on the United States TSCA (Toxic Sub on SARA Section 313 (Specific toxic chemin	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	0.1 %
5.2. US State regulations	
2412	

	This product
	contains
EVPOLITIE INJECTOR CLEANER	chemicals
State of local regulations	e State of California to cause cancer.

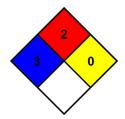
Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

OURCE	AGENC	Y CARCI	NOGEN	CLASSIFI	CATIONS:

	I Sheet International Agency for Research on Cancer.
	1 - Carcinogenic to humans;
	2A - Probably carcinogenic to humans;
	2B - Possibly carcinogenic to humans;
	3 - Not classifiable;
	4 - Probably not carcinogenic to humans.
NTP	National Toxicology Program.
	1 - Evidence of Carcinogenicity; 2
	- Known Human Carcinogens;
	3 - Reasonably anticipated to be Human Carcinogen;
	4 - Substances delisted from report on Carcinogens;
	5 - Twelfth Report - Items under consideration.

SECTION 16: Other information

Indication of changes Date of issue Other information		: None. : 04/30/2014 : None.
IFPA health hazard IFPA fire hazard IFPA reactivity	: :	



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product