

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 09/25/2017 Supersedes:08/01/2017

Version: 1.3

	Revision date: 09/25/2017	Sup	ersedes:08/01/2017	Version: 1.
SECTION 1: Identification of th	e substance/mix	ture and of the con	npany/undertaking	1
1.1. Product identifier				,
Product form	: Mixture			
Trade name		I'S FUEL INJECTOR CLE	ANER 6 FL.OZ.	
Product code	: 4684-8			
1.2 Polovant identified uses of t		ure and uses advised as	ninct	
1.2. Relevant identified uses of the substance/mixture			Jainst	
	: Fuel Inject			
1.3. Details of the supplier of the	safety data sheet			
Technical Chemical Company P.O. BOX 139				
Cleburne, Texas 76033				
T 817-645-6088				
1.4. Emergency telephone numb	er			
Emergency number	: CHEMTRE	EC 24 Hour 1-800-424-93	00, 1-703-527-3887 (Inte	ernational)
SECTION 2: Hazards identifica	tion			
2.1. Classification of the substan				
GHS-US classification				
Flam. Lig. 4 H227				
Carc. 2 H351				
Asp. Tox. 1 H304				
Full text of H statements : see section 16	i			
2.2. Label elements				
GHS-US labeling Hazard pictograms (GHS-US)				
	GHS08	3		
Signal word (GHS-US)	: Danger			
Hazard statements (GHS-US)	H304 - Ma	mbustible liquid be fatal if swallowed an spected of causing cance		
Precautionary statements (GHS-US)		tain special instructions		
	P202 - Do P210 - Ke P280 - We P301+P31 P308+P31 P331 - Do P370+P37 P403+P23 P405 - Sto P501 - Dis	not handle until all safety ep away from heat,sparks ear protective gloves,prote 0 - If swallowed: Immedia 3 - If exposed or concern NOT induce vomiting 78 - In case of fire: See Se 55 - Store in a well-ventilator for locked up	open flames, hot surface, ctive clothing, eye protect tely call a poison contro ed: Get medical advice/a ction 5.1 Extinguishing f ed place. Keep cool er to appropriate waste d	es No smoking ction,face protection I center, doctor,physician, attention
2.3. Other hazards				
Other hazards not contributing to the classification	: None unde	er normal conditions.		
2.4. Unknown acute toxicity (GH	SUS)			
No data available				
SECTION 3: Composition/Info	mation on ingree	dients		
3.1. Substances				
Not applicable				
3.2. Mixtures				
Name	Pro	oduct identifier	%	GHS-US classification
Distillates (Petroleum), Hydrotreated Light		S No) 64742-47-8	>= 95	Asp. Tox. 1, H304
Naphtha, Hydrotreated Heavy	(CA	S No) 64742-48-9	0.13 - 1.215	Asp. Tox. 1, H304

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Name	Product identifier	%	GHS-US classification
Paraffins (Petroleum), Normal C5-20	(CAS No) 64771-72-8	< 1	Not classified
Xylene, Mixture of Isomers	(CAS No) 1330-20-7	< 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315
Ethylbenzene	(CAS No) 100-41-4	< 1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:vapour), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304

### The exact percentage is a trade secret.

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer.
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.
4.2. Most important symptoms and effect	cts, both acute and delayed
Symptoms/injuries	: If you feel unwell, seek medical advice. May cause genetic defects. May cause cancer.
Symptoms/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/injuries after skin contact	: May cause slight irritation . Itching. Red skin.
Symptoms/injuries after eye contact	: May cause slight eye irritation . Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.
4.3. Indication of any immediate medica	I attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the su	hstance or mixture
Fire hazard	: Combustible liquid.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
<b>SECTION 6: Accidental release meas</b>	sures
6.1. Personal precautions, protective eq	uipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
6.1.1. For non-emergency personnel	
Protective equipment	: Gloves. Safety glasses.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
-	y authorities if liquid enters sewers or public waters.
6.3. Methods and material for containme	ent and cleaning up
For containment	: Dam up the liquid spill. Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
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6.4. Reference to other sections		
See Heading 8. Exposure controls and personal protection.		
SECTION 7: Handling and storage		
7.1. Precautions for safe h		
Additional hazards when process		s with care because residual vapors are flammable. Keep away from s,hot surfaces No smoking.
Precautions for safe handling	smoking and when leavi of vapor. No open flame	exposed areas with mild soap and water before eating, drinking or ng work. Provide good ventilation in process area to prevent formation s. No smoking. Obtain special instructions . Do not handle until all been read and understood. Eliminate all ignition sources if safe to do
Hygiene measures	smoking and when leavi affected areas thoroughl working clothes from tow	exposed areas with mild soap and water before eating, drinking or ng work. Do not eat, drink or smoke when using this product. Wash y after handling. Wash contaminated clothing before reuse. Separate <i>n</i> clothes. Launder separately. Remove contaminated clothes. Always ng the product. Take off immediately all contaminated clothing and
7.2. Conditions for safe st	orage, including any incompatibilities	
Technical measures	: Proper grounding proced applicable regulations. G or general room ventilati	dures to avoid static electricity should be followed. Comply with Ground/bond container and receiving equipment. Provide local exhaust on.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep contain closed when not in use. Keep in fireproof place.		
Incompatible products	: Strong bases. Strong ac	ids.
ncompatible materials : Sources of ignition. Direct sunlight. Heat sources.		ct sunlight. Heat sources.
7.3. Specific end use(s)		
Follow Label Directions.		
<b>SECTION 8: Exposure co</b>	ontrols/personal protection	
8.1. Control parameters		
Ethylbenzene (100-41-4)		
USA ACGIH	ACGIH TWA (ppm)	100 ppm
USA ACGIH	ACGIH STEL (ppm)	125 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	100
USA OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	545 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (STEL) (ppm)	125 ppm
Distillates (Petroleum), Hydro	treated Light (64742-47-8)	
	ACGIH TWA (ppm)	200 ppm 8 Hours
8.2. Exposure controls		

Appropriate engineering controls

- : Local exhaust venilation, vent hoods . Ensure good ventilation of the work station.
- Personal protective equipment
- : Gloves. Safety glasses. Avoid all unnecessary exposure.



: GIVE EXCELLENT RESISTANCE: Materials for protective clothing Hand protection : Wear protective gloves. Eye protection : Chemical goggles or safety glasses. Skin and body protection : Wear suitable protective clothing. Respiratory protection : Wear respiratory protection. Environmental exposure controls : Avoid release to the environment. Consumer exposure controls : Avoid contact during pregnancy/while nursing. Other information : Do not eat, drink or smoke during use.

## **SECTION 9: Physical and chemical properties**

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9.1.	Information on basic physical and ch	nemical properties
Physical	state	: Liquid

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Appearance	: Liquid.	
Color	: Colourless to light yellow.	
Odor	: Petroleum-like odour. Mild.	
Odor threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: 86 °C	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapor pressure	: No data available	
Relative vapor density at 20 °C	: No data available	
Relative density	: 0.81	
Solubility	: Insoluble in water.	
Log Pow	: No data available	
Log Kow	: No data available	
Viscosity, kinematic	: 1.92 cSt @ 40 deg C	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
Explosion limits	: No data available	
9.2. Other information		
VOC content	: <2%	
SECTION 10: Stability and reactivity		
10.1. Reactivity		
No additional information available		
10.2. Chemical stability		
Combustible liquid. May form flammable/explosive vapor-air mixture.		
10.3. Possibility of hazardous reactions		
Not established.		
10.4. Conditions to avoid		
Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.		
10.5. Incompatible materials		
Strong acids. Strong bases.		
10.6. Hazardous decomposition products		
Toxic fume Carbon monoxide. Carbon dioxide. May release flammable gases.		
SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
A state to she have		
Acute toxicity	: Not classified	

Ethylbenzene (100-41-4)		
LD50 oral rat	3500 mg/kg (Rat; Other; Experimental value)	
LD50 dermal rabbit	15415 mg/kg (Rabbit; Literature study; Other; 15432 mg/kg; Rabbit; Experimental value)	
LC50 inhalation rat (mg/l)	17.8 mg/l/4h (Rat; Literature study)	
LC50 inhalation rat (ppm)	4000 ppm/4h (Rat; Literature study)	
Distillates (Petroleum), Hydrotreated Light (64742-47-8)		
LD50 oral rat	> 5000 mg/kg body weight	
LD50 dermal rabbit	> 2000 mg/kg	
LC50 inhalation rat (mg/l) > 5.28 mg/l/4h Based on lack of mortality and systemic effects		

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Xylene, Mixture of Isomers (1330-20-7)		
LD50 oral rat	3523 - 8600 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; 3523 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value; >4000 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value)	
LD50 dermal rabbit	> 4200 mg/kg (Rabbit; Experimental value, Rabbit; Experimental value)	
LC50 inhalation rat (mg/l)	29 mg/l/4h (Rat; Experimental value; 27.57 mg/l/4h; Rat; Experimental value)	
Paraffins (Petroleum), Normal C5-20 (64771-72-8)		
LD50 oral rat	> 5000 mg/kg (Rat)	
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)	
Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Suspected of causing cancer.	
Ethylbenzene (100-41-4)		
IARC group	2B	
Xylene, Mixture of Isomers (1330-20-7)		
IARC group	3	
Reproductive toxicity	: Not classified	
Specific target organ toxicity – single exposure	: Not classified	
Specific target organ toxicity – repeated exposure	: Not classified	
Aspiration hazard	: May be fatal if swallowed and enters airways.	
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.	
Symptoms/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Symptoms/injuries after skin contact	: May cause slight irritation . Itching. Red skin.	
Symptoms/injuries after eye contact	: May cause slight eye irritation . Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue.	
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.	
SECTION 12: Ecological information		
12.1. Toxicity		

Ethylb	Ethylbenzene (100-41-4)		
LC50 fi	ish 2	4.2 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri; Semi-static system; Fresh water; Experimental value)	
12.2.	Persistence and degradability		

JOHNSEN'S FUEL INJECTOR CLEANER 6 FL.OZ.		
Persistence and degradability	Not established.	
Ethylbenzene (100-41-4)		
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.	
Biochemical oxygen demand (BOD)	1.44 g O <sub>2</sub> /g substance (20d.)	
Chemical oxygen demand (COD)	2.1 g O <sub>2</sub> /g substance	
ThOD	3.17 g O <sub>2</sub> /g substance	
BOD (% of ThOD)	45.4 (20 days)	
Distillates (Petroleum), Hydrotreated Light	(64742-47-8)	
Persistence and degradability	Not established.	
Xylene, Mixture of Isomers (1330-20-7)		
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. Photolysis in the air.	
Paraffins (Petroleum), Normal C5-20 (64771-72-8)		
Persistence and degradability	ence and degradability Readily biodegradable in water.	
Naphtha, Hydrotreated Heavy (64742-48-9)		
Persistence and degradability	Not established.	
12.3. Bioaccumulative potential		
JOHNSEN'S FUEL INJECTOR CLEANER 6 FL.OZ.		
Bioaccumulative potential	Not established.	

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Ethylbenzene (100-41		
Ethylbenzene (100-41	-4)	
BCF fish 1		1 (BCF; Other; 6 weeks; Oncorhynchus kisutch; Flow-through system; Salt water; Literature study)
BCF fish 2		15 - 79 (BCF)
BCF other aquatic orga	anisms 1	4.68 (BCF)
Log Pow		3.15 (Experimental value; 3.6; Experimental value; EU Method A.8: Partition Coefficient; 20 °C)
Bioaccumulative potent	tial	Low potential for bioaccumulation (BCF < 500).
Distillates (Petroleum	), Hydrotreated Light (6	4742-47-8)
Bioaccumulative potent	tial	Not established.
Xylene, Mixture of Iso	omers (1330-20-7)	
BCF fish 2		7 - 26 (BCF; 8 weeks; Oncorhynchus mykiss; Flow-through system; Fresh water)
Log Pow		3.2 (Conclusion by analogy; 20 °C)
Bioaccumulative potent	tial	Low potential for bioaccumulation (BCF < 500).
Paraffins (Petroleum)	, Normal C5-20 (64771-7	2-8)
Bioaccumulative potent	tial	No bioaccumulation data available.
Naphtha, Hydrotreate	d Heavy (64742-48-9)	1
Bioaccumulative potent		Not established.
2.4. Mobility in so		·
Ethylbenzene (100-41	-4)	0.000 N//
Surface tension		0.029 N/m
Log Koc		log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value
Xylene, Mixture of Iso	omers (1330-20-7)	
Ecology - soil		May be harmful to plant growth, blooming and fruit formation.
2.5. Other adverse	e effects	
Other information		: Avoid release to the environment.
SECTION 13. Dien	osal consideration	
3.1. Waste treatm		5
Product/Packaging dispo		: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional,
		contents/container to appropriate waste disposal facility, in accordance with local, regional,
		national, international regulations.
Additional information		national, international regulations. : Handle empty containers with care because residual vapors are flammable.
Ecology - waste material	ls	national, international regulations.
Ecology - waste material	ls	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul>
Ecology - waste material SECTION 14: Tran n accordance with ADR	sport information	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul>
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground):	ls <mark>sport information</mark> / RID / IMDG / IATA / AD Not Regulated,	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul>
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground): CAO/IATA (air):	ls <mark>sport information</mark> / RID / IMDG / IATA / AD Not Regulated, Not regulated,	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul>
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground):	ls <mark>sport information</mark> / RID / IMDG / IATA / AD Not Regulated,	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul>
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground): CAO/IATA (air):	ls <b>sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated,	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul>
Ecology - waste material SECTION 14: Trans n accordance with ADR JS DOT (ground): CAO/IATA (air): MO/IMDG (water):	ls <b>sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated, ipping name	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul>
Ecology - waste material SECTION 14: Trans n accordance with ADR JS DOT (ground): CAO/IATA (air): MO/IMDG (water): 14.2. UN proper sh Proper Shipping Name (19)	Is <b>sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated, <b>ipping name</b> DOT)	national, international regulations. Handle empty containers with care because residual vapors are flammable. Avoid release to the environment. Hazardous waste due to toxicity.
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground): CAO/IATA (air): MO/IMDG (water): 14.2. UN proper sh	ls <b>Sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated, <b>ipping name</b> DOT) <b>mation</b>	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul> N : Not Regulated
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground): CAO/IATA (air): MO/IMDG (water): 4.2. UN proper sh Proper Shipping Name (1 14.3. Additional infor	ls <b>Sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated, <b>ipping name</b> DOT) <b>mation</b>	national, international regulations. Handle empty containers with care because residual vapors are flammable. Avoid release to the environment. Hazardous waste due to toxicity.
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground): CAO/IATA (air): MO/IMDG (water): 14.2. UN proper sh Proper Shipping Name (1 14.3. Additional inform Other information	ls <b>Sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated, <b>ipping name</b> DOT) <b>mation</b>	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul> N : Not Regulated
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground): CAO/IATA (air): MO/IMDG (water): 4.2. UN proper sh Proper Shipping Name (1 14.3. Additional infor	ls <b>sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated, <b>ipping name</b> DOT) <b>mation</b>	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul> N : Not Regulated
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground): CAO/IATA (air): MO/IMDG (water): 14.2. UN proper sh Proper Shipping Name (I 14.3. Additional information Differ information Differ information	ls <b>sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated, <b>ipping name</b> DOT) <b>mation</b>	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul> N : Not Regulated
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground): CAO/IATA (air): MO/IMDG (water): 14.2. UN proper sh Proper Shipping Name (I 14.3. Additional information Dther information Dverland transport No additional information Transport by sea	Is <b>sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated, ipping name DOT) mation	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul> N : Not Regulated
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground): CAO/IATA (air): MO/IMDG (water): 14.2. UN proper sh Proper Shipping Name (I 14.3. Additional inform Dther information Dverland transport No additional information Transport by sea No additional information	Is <b>sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated, ipping name DOT) mation	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul> N : Not Regulated
Ecology - waste material SECTION 14: Tran n accordance with ADR JS DOT (ground): CAO/IATA (air): MO/IMDG (water): 14.2. UN proper sh Proper Shipping Name (I 14.3. Additional information Dther information Dverland transport No additional information Transport by sea	Is <b>sport information</b> / RID / IMDG / IATA / AD Not Regulated, Not regulated, Not regulated, <b>ipping name</b> DOT) <b>mation</b> n available n available	<ul> <li>national, international regulations.</li> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid release to the environment. Hazardous waste due to toxicity.</li> </ul> N : Not Regulated

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SECTION 15: Regulatory information		
15.1. US Federal regulations		
JOHNSEN'S FUEL INJECTOR CLEANER 6 FL.OZ.		
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Fire hazard Immediate (acute) health hazard	
Ethylbenzene (100-41-4)		
Subject to reporting requirements of United States SARA Section 313 Listed on the United States TSCA (Toxic Substances Control Act) inventory		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Fire hazard Delayed (chronic) health hazard	
Distillates (Petroleum), Hydrotreated Light (64742-47-8)		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard	
Xylene, Mixture of Isomers (1330-20-7)		
SARA Section 311/312 Hazard Classes	Fire hazard	
15.2. International regulations		

### **CANADA**

JOHNSEN'S FUEL INJECTOR CLEANER 6 FL.OZ.		
WHMIS Classification	Class B Division 3 - Combustible Liquid	
Ethylbenzene (100-41-4)		
Listed on the Canadian DSL (Domestic Substances List)		
Distillates (Petroleum), Hydrotreated Light (64742-47-8)		
Listed on the Canadian DSL (Domestic Substances List)		
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria	
Distillates, Hydrotreated Light (64742-47-8)		
Listed on the Canadian DSL (Domestic Substances List)		
WHMIS Classification	Class B Division 2 - Flammable Liquid	

### **EU-Regulations**

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.2; R45 Muta.Cat.2; R46 Full text of R-phrases: see section 16

National regulations 15.2.2.

### Ethylbenzene (100-41-4)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECI (Korean Existing Chemicals Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

### 15.3. US State regulations

JOHNSEN'S FUEL INJECTOR CLEANER 6 FL.OZ.	
U.S California - Proposition 65 - Carcinogens List	No
U.S California - Proposition 65 - Developmental Toxicity	No
U.S California - Proposition 65 - Reproductive Toxicity - Female	No
U.S California - Proposition 65 - Reproductive Toxicity - Male	No
State or local regulations	U.S California - Proposition 65

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         Yes       No       No       No         Distillates (Petroleum), Hydrotreated Light (64742-47-8)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Reproductive Toxicity - Proposition 65 - Reproductive Toxicity - Male       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Vene, Mixture of Isomers (1330-20-7)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No       No         Parafins (Petroleum), Normal C5-20 (64771-72-8)       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No       No         Distillates, Hydrotreated Light (64742-47-8)       U.S California - Proposition 65 - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Proposition 65 - Reproductive Toxicity - Reproductive Toxicity - Male         No       No       No       No         Distillates, Hydrotreated Light (64742-47-8)	Ethylbenzene (100-41-4)				
Distillates (Petroleum), Hydrotreated Light (64742-47-8)       U.S California -       Proposition 65 -         Developmental Toxicity       Proposition 65 -       Proposition 65 -         Carcinogens List       Developmental Toxicity       Preposition 65 -         No       No       No       No         V.S California -       Proposition 65 -       Proposition 65 -         Proposition 65 -       Developmental Toxicity       Preposition 65 -         Proposition 65 -       Developmental Toxicity       U.S California -         Proposition 65 -       Developmental Toxicity       Proposition 65 -         Carcinogens List       U.S California -       Proposition 65 -         Developmental Toxicity       Proposition 65 -       Reproductive Toxicity -         Male       No       No       No         No       No       No       No         Proposition 65 -       Developmental Toxicity       Proposition 65 -         Carcinogens List       U.S California -       Proposition 65 -         Developmental Toxicity       Preposition 65 -       Proposition 65 -         Carcinogens List       U.S California -       Proposition 65 -         Developmental Toxicity       Proposition 65 -       Reproductive Toxicity -         No </td <td>Non-significant risk level (NSRL)</td> <td>Proposition 65 - Reproductive Toxicity -</td> <td>Proposition 65 - Reproductive Toxicity -</td> <td>Proposition 65 -</td> <td>Proposition 65 -</td>	Non-significant risk level (NSRL)	Proposition 65 - Reproductive Toxicity -	Proposition 65 - Reproductive Toxicity -	Proposition 65 -	Proposition 65 -
U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Developmental Toxicity         No       No       No       No         Vglene, Mixture of Isomers (130-20-7)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Female         No       No       No       No		No	No	No	Yes
U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Developmental Toxicity         No       No       No       No         V1.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male       U.S California - Proposition 65 - Reproductive To			8)	drotreated Light (64742-47-	Distillates (Petroleum), Hyd
Xylene, Mixture of Isomers (1330-20-7)         U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Paraffins (Petroleum), Normal C5-20 (64771-72-8)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No       No         Distillates, Hydrotreated Light (64742-47-8)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No       No         No       No       No       No         No       No       No       No         No       No       No       No         No       No	Non-significant risk level (NSRL)	Proposition 65 - Reproductive Toxicity -	U.S California - Proposition 65 - Reproductive Toxicity -	U.S California - Proposition 65 -	U.S California - Proposition 65 -
U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Paraffins (Petroleum), Normal C5-20 (64771-72-8)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Distillates, Hydrotreated Light (64742-47-8)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Female         No       No       No       No       No         Naphtha, Hydrotreated Heavy (64742-48-9)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No       No         No       No       No		No	No	No	No
U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Paraffins (Petroleum), Normal C5-20 (64771-72-8)       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Proposition 65 - Reproductive Toxicity - Male       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         No       No       No       No         No       No       No       No         Distillates, Hydrotreated Light (64742-47-8)       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No       No         Naphtha, Hydrotreated Heavy (64742-48-9)       U.S Californ		·		s (1330-20-7)	Xylene, Mixture of Isomers
Paraffins (Petroleum), Normal C5-20 (64771-72-8)         U.S California -         Proposition 65 -         Carcinogens List         No         No         Distillates, Hydrotreated Light (64742-47-8)         U.S California -         Proposition 65 -         Carcinogens List         U.S California -         Proposition 65 -         Distillates, Hydrotreated Light (64742-47-8)         U.S California -         Proposition 65 -         Carcinogens List         U.S California -         Proposition 65 -         Carcinogens List         U.S California -         Proposition 65 -         Carcinogens List         U.S California -         Proposition 65 -         Developmental Toxicity         Proposition 65 -         Carcinogens List         No	Non-significant risk level (NSRL)	Proposition 65 - Reproductive Toxicity -	Proposition 65 - Reproductive Toxicity -	U.S California - Proposition 65 -	U.S California - Proposition 65 -
U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Distillates, Hydrotreated Light (64742-47-8)       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Proposition 65 - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Proposition 65 - Reproductive Toxicity - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         No       <		No	No	No	No
U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Distillates, Hydrotreated Light (64742-47-8)       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Proposition 65 - Reproductive Toxicity - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         No       No       No       No         No       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No       No         No       No       No       No				mal C5-20 (64771-72-8)	Paraffins (Petroleum), Norn
Distillates, Hydrotreated Light (64742-47-8)         U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         U.S California - Proposition 65 - Reproductive Toxicity - Female         U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Proposition 65 - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         U.S California - Proposition 65 - Proposition 65 - Reproductive Toxicity - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         No       No       No       No         Ethylbenzene (100-41-4)       U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List	Non-significant risk level (NSRL)	Proposition 65 - Reproductive Toxicity -	Proposition 65 - Reproductive Toxicity -	U.S California - Proposition 65 -	U.S California - Proposition 65 -
U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Naphtha, Hydrotreated Heavy (64742-48-9)       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Proposition 65 - Reproductive Toxicity - Proposition 65 - Reproductive Toxicity - Male         No       No       No         State or local regulations       U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List		No	No	No	No
U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Naphtha, Hydrotreated Heavy (64742-48-9)       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Proposition 65 - Reproductive Toxicity - Proposition 65 - Reproductive Toxicity - Male         No       No       No         State or local regulations       U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List				ight (64742-47-8)	Distillates, Hydrotreated Lig
Naphtha, Hydrotreated Heavy (64742-48-9)       U.S California -       U.S California -       Proposition 65 -         Proposition 65 -       Proposition 65 -       Proposition 65 -       Proposition 65 -       Proposition 65 -         No       No       No       No       No         Ethylbenzene (100-41-4)         State or local regulations         U.S Pennsylvania - RTK (Right to Know) List         U.S Pennsylvania - RTK (Right to Know) List         U.S New Jersey - Right to Know Hazardous Substance List	Non-significant risk level (NSRL)	Proposition 65 - Reproductive Toxicity -	Proposition 65 - Reproductive Toxicity -	U.S California - Proposition 65 -	U.S California - Proposition 65 -
U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Ethylbenzene (100-41-4)       Vertical regulations       U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List		No	No	No	No
U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male         No       No       No       No         Ethylbenzene (100-41-4)         U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List				avy (64742-48-9)	Naphtha, Hydrotreated Hea
Ethylbenzene (100-41-4) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List	Non-significant risk level (NSRL)	Proposition 65 - Reproductive Toxicity -	Proposition 65 - Reproductive Toxicity -	U.S California - Proposition 65 -	U.S California - Proposition 65 -
State or local regulations         U.S Pennsylvania - RTK (Right to Know) List         U.S New Jersey - Right to Know Hazardous Substance List		No	No	No	No
State or local regulations         U.S Pennsylvania - RTK (Right to Know) List         U.S New Jersey - Right to Know Hazardous Substance List			L	l	Ethylbenzene (100-41-4)
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List					

### SECTION 16: Other information

Other information	
Full text of H-phrases:	

11 107		
	H225	Highly flammable liquid and vapor
	H226	Flammable liquid and vapor
	H227	Combustible liquid
	H304	May be fatal if swallowed and enters airways
	H315	Causes skin irritation
	H332	Harmful if inhaled
	H351	Suspected of causing cancer
	H373	May cause damage to organs through prolonged or repeated
		exposure

NFPA health hazard	<ul> <li>2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.</li> </ul>	2
NFPA fire hazard	: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.	

: None.

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NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

### HMIS III Rating

Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 2 Moderate Hazard
Physical	: 0 Minimal Hazard
Personal Protection	: B

SDS US (GHS HazCom 2012) - TCC

The Supplier identified in Section 1 of this SDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.