

1. Identification

Product identifier	Pressurized Fuel Injector Cleaner
Other means of identification	
FIR No.	045361
Recommended use	Fuel injector cleaner
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Company Name	Ford Motor Company
Address	Attention: SDS Information, P.O. Box 1899 Dearborn, Michigan 48121 USA
Telephone	1-800-392-3673
SDS Information	1-800-448-2063 (USA and Canada) fordsds.com
Emergency telephone numbers	
	Poison Control Center: USA and Canada: 1-800-959-3673 INFOTRAC (Transportation): USA and Canada 1-800-535-5053

2. Hazard(s) identification

Physical hazards	Flammable aerosols	Category 1
Health hazards	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Aspiration hazard	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 3
OSHA defined hazards	Not classified.	
Label elements		



Signal word	Danger
Hazard statement	Extremely flammable aerosol. May be fatal if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing mist/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Solvent naphtha (petroleum), light arom.		64742-95-6	13 - < 16
1,2,4-TRIMETHYLBENZENE		95-63-6	4 - < 8
TRIMETHYLBENZENE		25551-13-7	4 - < 8
2-(propyloxy)ethanol		2807-30-9	3 - < 4
4-METHYLPENTAN-2-OL		108-11-2	3 - < 4
Distillates (petroleum), hydrotreated heavy naphthenic		64742-52-5	2 - < 4
MESITYLENE		108-67-8	1 - < 4
Ammonia, aqueous solution		1336-21-6	0.2 - < 0.9
1,2,3-TRIMETHYLBENZENE		526-73-8	0.1 - < 0.8
CUMENE		98-82-8	0.1 - < 0.8
XYLENE		1330-20-7	0.1 - < 0.8
Naphtha (petroleum), light alkylate		64741-66-8	24.3
2,2,4-trimethylpentane		540-84-1	< 21
Distillates (petroleum), hydrotreated light naphthenic		64742-53-6	0.3 - 0.7
Distillates (petroleum), hydrotreated light paraffinic		64742-55-8	< 0.2
Distillates (petroleum), solvent-dewaxed light paraffinic		64742-56-9	< 0.2

Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
Skin contact	Remove contaminated clothing. Wash with plenty of soap and water. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media Foam. Powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Special protective equipment and precautions for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards Extremely flammable aerosol.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Avoid contact with eyes, skin, and clothing. Avoid breathing mist/vapors. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains.

Large Spills: Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Scoop up used absorbent into drums or other appropriate container. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Pregnant or breastfeeding women must not handle this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin, and clothing. Avoid breathing mist/vapors. Avoid prolonged exposure. Use only in well-ventilated areas. When using, do not eat, drink or smoke. Do not smoke while using or until sprayed surface is thoroughly dry. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. All equipment used when handling the product must be grounded. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Should be handled in closed systems, if possible. Avoid release to the environment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Wear appropriate personal protective equipment. Wash contaminated clothing before reuse. For personal protection, see Section 8 of the SDS.

Conditions for safe storage, including any incompatibilities

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Keep away from heat, sparks and open flame. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection**Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
2,2,4-trimethylpentane (CAS 540-84-1)	PEL	2350 mg/m ³	
		500 ppm	
4-METHYLPENTAN-2-OL (CAS 108-11-2)	PEL	100 mg/m ³	
		25 ppm	
Ammonia, aqueous solution (CAS 1336-21-6)	PEL	35 mg/m ³	
		50 ppm	
CUMENE (CAS 98-82-8)	PEL	245 mg/m ³	
		50 ppm	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	PEL	5 mg/m ³	Mist.
		2000 mg/m ³	
		500 ppm	
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	PEL	5 mg/m ³	Mist.
		2000 mg/m ³	
		500 ppm	
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	PEL	5 mg/m ³	Mist.
Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)	PEL	5 mg/m ³	Mist.
Solvent naphtha (petroleum), light arom. (CAS 64742-95-6)	PEL	400 mg/m ³	
		100 ppm	
XYLENE (CAS 1330-20-7)	PEL	435 mg/m ³	
		100 ppm	

US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
1,2,3-TRIMETHYLBENZENE (CAS 526-73-8)	TWA	10 ppm	
1,2,4-TRIMETHYLBENZENE (CAS 95-63-6)	TWA	10 ppm	
4-METHYLPENTAN-2-OL (CAS 108-11-2)	STEL	40 ppm	
	TWA	20 ppm	

US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
Ammonia, aqueous solution (CAS 1336-21-6)	STEL	35 ppm	
	TWA	25 ppm	
CUMENE (CAS 98-82-8)	TWA	5 ppm	
	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	TWA	5 mg/m3	Inhalable fraction.
	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)	TWA	5 mg/m3	Inhalable fraction.
	TWA	5 mg/m3	Inhalable fraction.
MESITYLENE (CAS 108-67-8)	TWA	10 ppm	
TRIMETHYLBENZENE (CAS 25551-13-7)	TWA	10 ppm	
XYLENE (CAS 1330-20-7)	TWA	20 ppm	

NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended

Components	Type	Value
2,2,4-trimethylpentane (CAS 540-84-1)	IDLH	1 %
		1000 ppm
4-METHYLPENTAN-2-OL (CAS 108-11-2)	IDLH	1 %
		400 ppm
Ammonia, aqueous solution (CAS 1336-21-6)	IDLH	15 %
		300 ppm
CUMENE (CAS 98-82-8)	IDLH	0.9 %
		900 ppm
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	IDLH	2500 mg/m3
		2500 mg/m3
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	IDLH	2500 mg/m3
		2500 mg/m3
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	IDLH	2500 mg/m3
		2500 mg/m3
Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)	IDLH	2500 mg/m3
		2500 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)

Components	Type	Value	Form
1,2,3-TRIMETHYLBENZENE (CAS 526-73-8)	TWA	125 mg/m3	
		25 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)

Components	Type	Value	Form
1,2,4-TRIMETHYLBENZENE (CAS 95-63-6)	TWA	125 mg/m ³	
		25 ppm	
2,2,4-trimethylpentane (CAS 540-84-1)	Ceiling	1800 mg/m ³	
		385 ppm	
		350 mg/m ³	
4-METHYLPENTAN-2-OL (CAS 108-11-2)	TWA	75 ppm	
		165 mg/m ³	
		40 ppm	
Ammonia, aqueous solution (CAS 1336-21-6)	STEL	100 mg/m ³	
		25 ppm	
		27 mg/m ³	
CUMENE (CAS 98-82-8)	TWA	35 ppm	
		18 mg/m ³	
		25 ppm	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	245 mg/m ³	
		50 ppm	
		1800 mg/m ³	
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	Ceiling	10 mg/m ³	Mist.
		5 mg/m ³	Mist.
		1800 mg/m ³	
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	Ceiling	10 mg/m ³	Mist.
		5 mg/m ³	Mist.
		10 mg/m ³	Mist.
Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)	STEL	10 mg/m ³	Mist.
		5 mg/m ³	Mist.
		10 mg/m ³	Mist.
MESITYLENE (CAS 108-67-8)	TWA	5 mg/m ³	Mist.
		125 mg/m ³	
		25 ppm	
Solvent naphtha (petroleum), light arom. (CAS 64742-95-6)	TWA	400 mg/m ³	
		100 ppm	
		125 mg/m ³	
TRIMETHYLBENZENE (CAS 25551-13-7)	TWA	25 ppm	
		655 mg/m ³	
		150 ppm	
XYLENE (CAS 1330-20-7)	STEL	655 mg/m ³	
		150 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)

Components	Type	Value	Form
	TWA	435 mg/m3	
		100 ppm	

Biological limit values

ACGIH Biological Exposure Indices (BEI)

Components	Value	Determinant	Specimen	Sampling Time
XYLENE (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

4-METHYLPENTAN-2-OL (CAS 108-11-2) Can be absorbed through the skin.
 CUMENE (CAS 98-82-8) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

4-METHYLPENTAN-2-OL (CAS 108-11-2) Skin designation applies.
 CUMENE (CAS 98-82-8) Skin designation applies.

US - Tennessee OELs: Skin designation

4-METHYLPENTAN-2-OL (CAS 108-11-2) Can be absorbed through the skin.
 CUMENE (CAS 98-82-8) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

4-METHYLPENTAN-2-OL (CAS 108-11-2) Can be absorbed through the skin.
 CUMENE (CAS 98-82-8) Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

4-METHYLPENTAN-2-OL (CAS 108-11-2) Can be absorbed through the skin.
 CUMENE (CAS 98-82-8) Can be absorbed through the skin.

Appropriate engineering controls

Provide eyewash station and safety shower. Use adequate ventilation to control airborne concentrations below the exposure limits/guidelines. If user operations generate a vapor, dust and/or mist, use process enclosure, appropriate local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits/guidelines.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Suitable chemical protective gloves should be worn when the potential exists for skin exposure. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Use protective gloves made of: Polyvinyl chloride (PVC). Neoprene.

Other Wear appropriate chemical resistant clothing if applicable.

Respiratory protection If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.
Form Aerosol.
Color Not available.

Odor Not available.

Odor threshold Not available.

pH 8.6

Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	70.0 °F (21.1 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.8
Solubility(ies)	
Solubility (water)	Immiscible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	1.25 cSt

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Harmful in contact with skin. Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.
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Information on toxicological effects

Acute toxicity	May be fatal if swallowed and enters airways. Harmful in contact with skin.
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Components	Species	Calculated/Test Results
1,2,4-TRIMETHYLBENZENE (CAS 95-63-6)		
Acute		
Dermal		
LD50	Rabbit	> 3160 mg/kg
Inhalation		
LC50	Rat	> 2000 ppm, 48 Hours
Oral		
LD50	Rat	6 g/kg

Components	Species	Calculated/Test Results
4-METHYLPENTAN-2-OL (CAS 108-11-2)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	3.56 ml/kg
Oral		
LD50	Rat	2.6 g/kg
Ammonia, aqueous solution (CAS 1336-21-6)		
<u>Acute</u>		
Oral		
LD50	Rat	350 mg/kg
CUMENE (CAS 98-82-8)		
<u>Acute</u>		
Inhalation		
LC50	Mouse	2000 ppm, 7 Hours 24.7 mg/l, 2 Hours
	Rat	8000 ppm, 4 Hours
Oral		
LD50	Rat	1400 mg/kg 2.91 g/kg
MESITYLENE (CAS 108-67-8)		
<u>Acute</u>		
Oral		
LD50	Rat	8970 mg/kg
Other		
LD100	Rat	1.5 g/kg
Solvent naphtha (petroleum), light arom. (CAS 64742-95-6)		
<u>Acute</u>		
Inhalation		
LC50	Rat	73680 mg/l, 4 Hours 61 mg/l, 4 Hours
Oral		
LD50	Rat	> 25 ml/kg
Other		
LD50	Rabbit	> 5 mg/kg, 4 Hours
TRIMETHYLBENZENE (CAS 25551-13-7)		
<u>Acute</u>		
Oral		
LD50	Rat	8970 mg/kg
XYLENE (CAS 1330-20-7)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 43 g/kg
Inhalation		
LC50	Mouse	3907 mg/l, 6 Hours
	Rat	6350 mg/l, 4 Hours
Oral		
LD50	Mouse	5627 mg/kg
		1590 mg/kg
	Rat	3523 - 8600 mg/kg
		6670 mg/kg

Components	Species	Calculated/Test Results
		4300 mg/kg
Other		
LD50	Rat	3.8 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Suspected of causing cancer. Base oil severely refined: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests.	

IARC Monographs. Overall Evaluation of Carcinogenicity

CUMENE (CAS 98-82-8) 2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

CUMENE (CAS 98-82-8) Reasonably Anticipated to be a Human Carcinogen.

Reproductive toxicity	Suspected of damaging fertility or the unborn child.	
Specific target organ toxicity - single exposure	May cause respiratory irritation.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	May be fatal if swallowed and enters airways.	
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	

12. Ecological information

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Ecotoxicity

Components	Species	Calculated/Test Results
Solvent naphtha (petroleum), light arom. (CAS 64742-95-6)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia pulex) >= 2.7 - <= 5.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 8.8 mg/l, 96 hours
		8.8 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

1,2,4-TRIMETHYLBENZENE	3.78
2,2,4-trimethylpentane	5.18
4-METHYLPENTAN-2-OL	1.43
Ammonia, aqueous solution	-2.66
CUMENE	3.66
MESITYLENE	3.42

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container to hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. Transport information

DOT

UN number	UN1950
UN proper shipping name	Aerosols, flammable, (each not exceeding 1 L capacity)
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	-
Environmental hazards	
Marine pollutant	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable, (each not exceeding 1 L capacity)
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	-
Environmental hazards	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1950
UN proper shipping name	Aerosols, flammable, (each not exceeding 1 L capacity)
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	-
Environmental hazards	
Marine pollutant	No.
EmS	Not assigned.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

DOT



IATA; IMDG



15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

2-(propyloxy)ethanol (CAS 2807-30-9) Listed.

2,2,4-trimethylpentane (CAS 540-84-1) Listed.

SARA 304 Emergency release notification

Ammonia; Ammonia (anhydrous) (CAS 1336-21-6) 100 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
Ammonia, aqueous solution	1336-21-6	100	500		

SARA 311/312 Hazardous chemical

Classified hazard categories Flammable (gases, aerosols, liquids, or solids)
Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)
Aspiration hazard

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
1,2,4-TRIMETHYLBENZENE	95-63-6	4 - < 8
CUMENE	98-82-8	0.1 - < 0.8

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

2-(propyloxy)ethanol (CAS 2807-30-9)

2,2,4-trimethylpentane (CAS 540-84-1)

CUMENE (CAS 98-82-8)

XYLENE (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Ammonia, aqueous solution (CAS 1336-21-6)

Safe Drinking Water Act (SDWA) Contains component(s) regulated under the Safe Drinking Water Act.

International Inventories

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

16. Other information, including date of preparation or last revision

Issue date 04-17-2024

Version 01

HMIS® ratings Health: 2
Flammability: 4
Physical hazard: 1

NFPA ratings Health: 2
Flammability: -
Instability: 1

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Part number(s) CM-1001