Diesel Deep Clean Winter Fuel Treatment

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)
Issue date: 8/18/2025 Revision date: 2/5/2026 Supersedes: 8/18/2025 Version: 2.0

SECTION 1 Identification

1.1. Product identifier

Product name : Diesel Deep Clean Winter Fuel Treatment
Part Number : 11307

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Fuel additives

1.4. Supplier's details

Afton

1.5. Emergency phone number

No additional information available

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 3	H226	Flammable liquid and vapor.
Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Acute toxicity (inhalation:dust,mist), Category 4	H332	Harmful if inhaled.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
Carcinogenicity, Category 1B	H350	May cause cancer.
Reproductive toxicity, Category 2	H361	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410	Very toxic to aquatic life with long lasting effects.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger
Hazard statements (GHS US) : H226 - Flammable liquid and vapor
H302+H332 - Harmful if swallowed or if inhaled
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

		H336 - May cause drowsiness or dizziness H350 - May cause cancer. H361 - Suspected of damaging fertility or the unborn child H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (GHS US)	:	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground/Bond container and receiving equipment. P241 - Use explosion-proof equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P261 - Avoid breathing dust, fume, gas, mist, vapors, spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection. P301+P310 - If swallowed: Immediately call a poison center or doctor. P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell. P302+P352 - If on skin: Wash with plenty of water. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - If exposed or concerned: Get medical advice/attention. P312 - Call a poison center or doctor if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). P330 - Rinse mouth. P331 - Do NOT induce vomiting. P332+P313 - If skin irritation occurs: Get medical advice or attention. P337+P313 - If eye irritation persists: Get medical advice or attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use appropriate media to extinguish. P391 - Collect spillage. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Solvent naphtha (petroleum), light arom.	CAS-No.: 64742-95-6	30 - 60*	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2-Ethylhexyl nitrate	CAS-No.: 27247-96-7	15 - 40*	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Benzene, 1,2,4-trimethyl-	CAS-No.: 95-63-6	10 - 30*	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Mesitylene	CAS-No.: 108-67-8	5 - 10*	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
1-Hexanol, 2-ethyl-	CAS-No.: 104-76-7	1 - 5*	Flam. Liq. 4, H227 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Xylene	CAS-No.: 1330-20-7	1 - 5*	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 Asp. Tox. 1, H304

Name	Product identifier	%	GHS US classification
Cumene	CAS-No.: 98-82-8	1 - 5*	Flam. Liq. 3, H226 Eye Irrit. 2B, H320 Carc. 1B, H350 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Benzene, 1,2,3-trimethyl-	CAS-No.: 526-73-8	1 - 5*	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Dipropylene glycol methyl ether	CAS-No.: 34590-94-8	1 - 5*	Flam. Liq. 4, H227 Eye Irrit. 2B, H320
4-Methyl-1H-benzotriazole	CAS-No.: 29385-43-1	0.1 - 1*	Acute Tox. 4 (Oral), H302 Repr. 2, H361 Aquatic Chronic 2, H411
Naphthalene	CAS-No.: 91-20-3	0.1 - 1*	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethylbenzene	CAS-No.: 100-41-4	0.1 - 1*	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Acetic acid ethenyl ester	CAS-No.: 108-05-4	0.1 - 1*	Flam. Liq. 2, H225 Carc. 2, H351 Acute Tox. 4 (Inhalation), H332 STOT SE 3, H335

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

Personal protection for first-aid responders. : First-aiders should consider self-protection and use the recommended personal protective equipment (see section 8).

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : Harmful if inhaled. May cause respiratory irritation.

Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.
Symptoms/effects after ingestion : Harmful if swallowed. Risk of lung edema.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor. May intensify fire; oxidizer.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapors/spray.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

Environmental precautions : Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Incompatible materials : Combustible materials.

Packaging materials : Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Benzene, 1,2,4-trimethyl- (95-63-6)	
USA - ACGIH® - Threshold Limit Values	
Local name	1,2,4-Trimethyl benzene
ACGIH® TLV® TWA	10 ppm
Remark (ACGIH®)	TLV® Basis: CNS impair; Hematologic eff
Regulatory reference	ACGIH 2025

Mesitylene (108-67-8)	
USA - ACGIH® - Threshold Limit Values	
Local name	1,3,5-Trimethyl benzene
ACGIH® TLV® TWA	10 ppm
Remark (ACGIH®)	TLV® Basis: CNS impair; Hematologic eff
Regulatory reference	ACGIH 2025
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	1,3,5-Trimethylbenzene [Mesitylene]
Cal/OSHA PEL (OEL TWA)	125 mg/m³
	25 ppm
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)

1-Hexanol, 2-ethyl- (104-76-7)	
USA - ACGIH® - Threshold Limit Values	
Local name	2-Ethyl-1-hexanol
ACGIH® TLV® TWA	5 ppm
Remark (ACGIH®)	TLV® Basis: URT irr & eye irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024

Xylene (1330-20-7)	
USA - ACGIH® - Threshold Limit Values	
Local name	Xylene, mixed isomers (Dimethylbenzene)
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH®)	TLV® Basis: Eye & URT irr; CNS impair; Hematologic eff; Ototoxicity (p-xylene). Notations: OTO (Ototoxicant) (p isomer); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
USA - ACGIH® - Biological Exposure Indices	
Local name	Xylene, all isomers (Dimethylbenzene)
BEI	0.3 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Xylenes (o-, m-, p-isomers)
OSHA PEL TWA	435 mg/m³
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Xylene; xylol; dimethylbenzene
Cal/OSHA PEL (OEL TWA)	435 mg/m³
	100 ppm
Cal/OSHA STEL	655 mg/m³
	150 ppm
Cal/OSHA C	300 ppm
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - NIOSH - Occupational Exposure Limits	
Local name	Xylenes (o-, m-, p-isomers)
NIOSH REL 10h TWA	100 ppm

Xylene (1330-20-7)	
NIOSH REL STEL	150 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

Cumene (98-82-8)	
USA - ACGIH® - Threshold Limit Values	
Local name	Cumene
ACGIH® TLV® TWA	25 mg/m³
	5 ppm
Remark (ACGIH®)	TLV® Basis: URT adenoma; neurological eff. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Cumene
OSHA PEL TWA	245 mg/m³
	50 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Cumene; isopropylbenzene
Cal/OSHA PEL (OEL TWA)	5 mg/m³
Remark (Cal/OSHA)	S - Skin notation and Protecting Clothing
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - NIOSH - Occupational Exposure Limits	
Local name	Cumene
NIOSH REL 10h TWA	50 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

Benzene, 1,2,3-trimethyl- (526-73-8)	
USA - ACGIH® - Threshold Limit Values	
Local name	1,2,3-Trimethyl benzene
ACGIH® TLV® TWA	10 ppm 10 ppm
Remark (ACGIH®)	TLV® Basis: CNS impair; Hematologic eff
Regulatory reference	ACGIH 2025

Dipropylene glycol methyl ether (34590-94-8)	
USA - ACGIH® - Threshold Limit Values	
Local name	Dipropylene glycol methyl ether (DPGME)
ACGIH® TLV® TWA	50 ppm
Remark (ACGIH®)	TLV® Basis: Liver & CNS eff
Regulatory reference	ACGIH 2024

Dipropylene glycol methyl ether (34590-94-8)	
USA - OSHA - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether
OSHA PEL TWA	600 mg/m³
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether
Cal/OSHA PEL (OEL TWA)	600 mg/m³
	100 ppm
Cal/OSHA STEL	900 mg/m³
	150 ppm
Remark (Cal/OSHA)	S - Skin notation and Protecting Clothing
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - NIOSH - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether
NIOSH REL 10h TWA	100 ppm
NIOSH REL STEL	150 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

Naphthalene (91-20-3)	
USA - ACGIH® - Threshold Limit Values	
Local name	Naphthalene
ACGIH® TLV® TWA	52 mg/m³
	10 ppm
Remark (ACGIH®)	TLV® Basis: URT irr; Cataracts; Hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2025
USA - ACGIH® - Biological Exposure Indices	
Local name	Naphthalene
BEI	Parameter: 1-Naphthol + 2-Naphthol - Sampling time: End of shift - Notations: Nq, Ns
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Naphthalene
OSHA PEL TWA	50 mg/m³
	10 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Naphthalene (91-20-3)	
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Naphthalene
Cal/OSHA PEL (OEL TWA)	0.5 mg/m³
	0.1 ppm
Remark (Cal/OSHA)	S - Skin notation and Protecting Clothing
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - NIOSH - Occupational Exposure Limits	
Local name	Naphthalene
NIOSH REL 10h TWA	10 ppm
NIOSH REL STEL	15 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

Ethylbenzene (100-41-4)	
USA - ACGIH® - Threshold Limit Values	
Local name	Ethyl benzene
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH®)	TLV® Basis: URT & Eye irr; Kidney eff; Ototoxicity; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2025
USA - ACGIH® - Biological Exposure Indices	
Local name	Ethyl benzene
BEI	0.15 g/g Kreatinin Parameter: Sum of mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: End of shift - Notations: Ns
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Ethyl benzene
OSHA PEL TWA	435 mg/m³
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Ethylbenzene
Cal/OSHA PEL (OEL TWA)	22 mg/m³
	5 ppm
Cal/OSHA STEL	130 mg/m³
	30 ppm
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)

Ethylbenzene (100-41-4)	
USA - NIOSH - Occupational Exposure Limits	
Local name	Ethyl benzene
NIOSH REL 10h TWA	100 ppm
NIOSH REL STEL	125 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

Acetic acid ethenyl ester (108-05-4)	
USA - ACGIH® - Threshold Limit Values	
Local name	Vinyl acetate
ACGIH® TLV® TWA	10 ppm
ACGIH® TLV® STEL	15 ppm
Remark (ACGIH®)	TLV® Basis: URT & eye irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Vinyl acetate
Cal/OSHA PEL (OEL TWA)	30 mg/m³
	10 ppm
Cal/OSHA STEL	45 mg/m³
	15 ppm
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Color	:	Mixture contains one or more component(s) which have the following color(s): Colourless to light yellow Colourless White Pure substance: white Unpurified: yellow to brown Pure substance: colourless Unpurified: light yellow
Odor	:	There may be no odor warning properties, odor is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odor: Irritating/pungent odour Fruity odour Aromatic odour Sweet odour Stuffy odour Oil-like odour Pleasant odour Characteristic odour Mild odour Ether-like odour Tar odour Petroleum-like odour Strong odour Asphyxiating odour
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	46 °C
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	0.9212
Density	:	0.92 g/cm³
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	6.1 mm²/s @ 40°C
Explosion limits	:	No data available
Particle characteristics	:	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor. May intensify fire; oxidizer.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Combustible materials.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

Diesel Deep Clean Winter Fuel Treatment	
ATE US (oral)	1249.891 mg/kg body weight
ATE US (dust, mist)	2.679 mg/l/4h

Solvent naphtha (petroleum), light arom. (64742-95-6)	
LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapors)	5.16 mg/l Source: ECHA
ATE US (vapors)	5.16 mg/l/4h

2-Ethylhexyl nitrate (27247-96-7)	
LD50 oral rat	> 9600 mg/kg (Rat, Male / female, Experimental value, (maximum achievable concentration), Oral (repeated exposure), 14 day(s))
LD50 oral	9600 mg/kg
LD50 dermal	4800 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	14 mg/l/4h
ATE US (oral)	500 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Benzene, 1,2,4-trimethyl- (95-63-6)	
LD50 oral rat	6000 mg/kg body weight (Equivalent or similar to EU Method B.1, Rat, Male, Experimental value, Oral, 014 day(s))
LD50 oral	3280 mg/kg
LD50 dermal rat	3440 mg/kg (24 h, Rat, Male / female, Read-across, Dermal)
LD50 dermal rabbit	> 3160 mg/kg Source: International Uniform ChemicaL Information Database
LC50 Inhalation - Rat	> 10.2 mg/l air (4 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s))

Benzene, 1,2,4-trimethyl- (95-63-6)	
LC50 Inhalation - Rat (Dust/Mist)	18 mg/l/4h
LC50 Inhalation - Rat (Vapors)	18 mg/l Source: Corporate Solution From Thomson Micromedex
ATE US (oral)	3280 mg/kg body weight
ATE US (dermal)	3440 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	18 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Mesitylene (108-67-8)	
LD50 oral rat	6000 mg/kg body weight (Equivalent or similar to EU Method B.1, Rat, Male, Read-across, Oral, 14 day(s))
LD50 oral	5000 mg/kg
LD50 dermal rat	> 2000 mg/kg bw/day (24 h, Rat, Male / female, Read-across, Dermal)
LC50 Inhalation - Rat	> 10.2 mg/l air (4 h, Rat, Male / female, Read-across, Inhalation, 14 day(s))
LC50 Inhalation - Rat (Dust/Mist)	24 mg/l/4h
ATE US (oral)	5000 mg/kg body weight
ATE US (dust, mist)	24 mg/l/4h

1-Hexanol, 2-ethyl- (104-76-7)	
LD50 oral rat	2047 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 oral	2049 mg/kg
LD50 dermal rat	> 3000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LD50 dermal rabbit	1970 mg/kg Source: NLM,THOMSON
LD50 dermal	3000 mg/kg
LC50 Inhalation - Rat	0.89 – 5.3 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (mixture of vapour and aerosol), 7 day(s))
LC50 Inhalation - Rat (Vapors)	4.9 mg/l/4h
ATE US (oral)	2047 mg/kg body weight
ATE US (dermal)	1970 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	4.9 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Xylene (1330-20-7)	
LD50 oral rat	> 4000 mg/kg body weight (Equivalent or similar to EU Method B.1, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 oral	3500 mg/kg
LD50 dermal rabbit	> 4200 mg/kg body weight (4 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LD50 dermal	1700 mg/kg

Xylene (1330-20-7)	
LC50 Inhalation - Rat	29.09 mg/l (Equivalent or similar to EU Method B.2, 4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
LC50 Inhalation - Rat [ppm]	5922 ppm
LC50 Inhalation - Rat (Vapors)	27.57 mg/l/4h
ATE US (oral)	3500 mg/kg body weight
ATE US (dermal)	1700 mg/kg body weight
ATE US (gases)	5922 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Cumene (98-82-8)	
LD50 oral rat	2700 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 014 day(s))
LD50 oral	2700 mg/kg
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg body weight (24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LD50 dermal	10600 mg/kg
LC50 Inhalation - Rat	39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
LC50 Inhalation - Rat (Dust/Mist)	39.3 mg/l/4h
ATE US (oral)	2700 mg/kg body weight
ATE US (dermal)	10600 mg/kg body weight
ATE US (vapors)	39 mg/l/4h
ATE US (dust, mist)	39 mg/l/4h

4-Methyl-1H-benzotriazole (29385-43-1)	
LD50 oral rat	720 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
ATE US (oral)	720 mg/kg body weight

Dipropylene glycol methyl ether (34590-94-8)	
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	5180 mg/kg
LD50 dermal rat	> 19020 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LD50 dermal	9500 mg/kg
LC50 Inhalation - Rat	> 3000 mg/m³ Source: ECHA

Dipropylene glycol methyl ether (34590-94-8)	
ATE US (oral)	5180 mg/kg body weight
ATE US (dermal)	9500 mg/kg body weight

Naphthalene (91-20-3)	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	533 mg/kg body weight (Equivalent or similar to OECD 401, Mouse, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 16000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LD50 dermal rabbit	2500 mg/kg Source: ChemIDplus
LD50 dermal	2500 mg/kg
ATE US (oral)	533 mg/kg body weight
ATE US (dermal)	2500 mg/kg body weight

Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	3500 mg/kg
LD50 dermal rat	15354 mg/kg
LD50 dermal rabbit	15433 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LD50 dermal	15400 mg/kg
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
LC50 Inhalation - Rat [ppm]	4000 ppm
LC50 Inhalation - Rat (Dust/Mist)	27.5 mg/l/4h
LC50 Inhalation - Rat (Vapors)	18.96 mg/l/4h
ATE US (oral)	3500 mg/kg body weight
ATE US (dermal)	15354 mg/kg body weight
ATE US (gases)	4000 ppmV/4h
ATE US (vapors)	17.8 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Acetic acid ethenyl ester (108-05-4)	
LD50 oral rat	3470 mg/kg body weight (Rat, Male, Experimental value, Oral, 14 day(s))
LD50 oral	2900 mg/kg
LD50 dermal rabbit	7440 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LD50 dermal	2325 mg/kg
LC50 Inhalation - Rat	15.81 mg/l (4 h, Rat, Male / female, Weight of evidence, Inhalation (vapours), 14 day(s))
LC50 Inhalation - Rat (Vapors)	11.4 mg/l/4h
ATE US (oral)	2900 mg/kg body weight
ATE US (dermal)	2325 mg/kg body weight
ATE US (gases)	4500 ppmV/4h

Acetic acid ethenyl ester (108-05-4)	
ATE US (vapors)	11.4 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.

2-Ethylhexyl nitrate (27247-96-7)	
pH	No data available in the literature

Benzene, 1,2,4-trimethyl- (95-63-6)	
pH	No data available in the literature

1-Hexanol, 2-ethyl- (104-76-7)	
pH	7 (0.1 %)

Xylene (1330-20-7)	
pH	No data available in the literature

Cumene (98-82-8)	
pH	No data available in the literature

4-Methyl-1H-benzotriazole (29385-43-1)	
pH	6 (0.1 %)

Dipropylene glycol methyl ether (34590-94-8)	
pH	7 (100 %)

Naphthalene (91-20-3)	
pH	No data available in the literature

Ethylbenzene (100-41-4)	
pH	Not applicable (non-soluble in water)

Serious eye damage/irritation : Causes serious eye irritation.

2-Ethylhexyl nitrate (27247-96-7)	
pH	No data available in the literature

Benzene, 1,2,4-trimethyl- (95-63-6)	
pH	No data available in the literature

1-Hexanol, 2-ethyl- (104-76-7)	
pH	7 (0.1 %)

Xylene (1330-20-7)	
pH	No data available in the literature

Cumene (98-82-8)	
pH	No data available in the literature

4-Methyl-1H-benzotriazole (29385-43-1)	
pH	6 (0.1 %)

Dipropylene glycol methyl ether (34590-94-8)	
pH	7 (100 %)

Naphthalene (91-20-3)	
pH	No data available in the literature

Ethylbenzene (100-41-4)	
pH	Not applicable (non-soluble in water)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : May cause cancer.

Xylene (1330-20-7)	
IARC group	3 - Not classifiable

Cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

Naphthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans

Acetic acid ethenyl ester (108-05-4)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Naphthalene (91-20-3)	
LOAEL (animal/female, F0/P)	50 mg/kg body weight Animal: rat, Animal sex: female, Guideline: other:
LOAEL (animal/female, F1)	450 mg/kg body weight Animal: rat, Animal sex: female, Guideline: other:
NOAEL (animal/female, F0/P)	120 mg/kg body weight Animal: rabbit, Animal sex: female, Guideline: other:

STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation.

Solvent naphtha (petroleum), light arom. (64742-95-6)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

Benzene, 1,2,4-trimethyl- (95-63-6)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

Mesitylene (108-67-8)	
STOT-single exposure	May cause respiratory irritation.

1-Hexanol, 2-ethyl- (104-76-7)	
STOT-single exposure	May cause respiratory irritation.

Xylene (1330-20-7)	
STOT-single exposure	May cause drowsiness or dizziness.

Cumene (98-82-8)	
STOT-single exposure	May cause respiratory irritation.

Acetic acid ethenyl ester (108-05-4)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

2-Ethylhexyl nitrate (27247-96-7)	
NOAEL (dermal,rat/rabbit,90 days)	500 mg/kg body weight Animal: rabbit, Guideline: EPA OPP 82-2 (Repeated Dose Dermal Toxicity -21/28 Days)

Benzene, 1,2,4-trimethyl- (95-63-6)	
NOAEL (oral,rat,90 days)	600 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation,rat,vapor,90 days)	1.8 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)

Mesitylene (108-67-8)	
NOAEL (oral,rat,90 days)	600 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation,rat,vapor,90 days)	1.8 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)

1-Hexanol, 2-ethyl- (104-76-7)	
NOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation,rat,gas,90 days)	120 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Xylene (1330-20-7)	
LOAEL (oral,rat,90 days)	150 mg/kg bw/day
NOAEC (inhalation,rat,gas,90 days)	> 810 ppm

Cumene (98-82-8)	
NOAEC (inhalation, rat, 90 days)	100 ppm

4-Methyl-1H-benzotriazole (29385-43-1)	
NOAEL (oral,rat,90 days)	≈ 150 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)

Dipropylene glycol methyl ether (34590-94-8)	
NOAEL (oral,rat,28 days)	919 mg/kg bw/day
NOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat, Guideline: other:

Naphthalene (91-20-3)	
LOAEL (oral,rat,90 days)	400 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
LOAEC (inhalation,rat,vapor,90 days)	0.011 mg/l air Animal: rat, Guideline: EPA OPP 82-4 (90-Day Inhalation Toxicity), Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (oral,rat,90 days)	200 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal,rat/rabbit,90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Ethylbenzene (100-41-4)	
NOAEL (oral,rat,90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Acetic acid ethenyl ester (108-05-4)	
NOAEL (oral,rat,90 days)	684 mg/kg bw/day
NOAEL (subchronic,oral,animal/male,90 days)	285 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic,oral,animal/female,90 days)	281 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Aspiration hazard : May be fatal if swallowed and enters airways.

Diesel Deep Clean Winter Fuel Treatment	
Viscosity, kinematic	6.1 mm²/s @ 40°C

Solvent naphtha (petroleum), light arom. (64742-95-6)	
Viscosity, kinematic	< 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'
2-Ethylhexyl nitrate (27247-96-7)	
Viscosity, kinematic	1.3 mm²/s (20 °C)
Benzene, 1,2,4-trimethyl- (95-63-6)	
Viscosity, kinematic	0.843 mm²/s (20 °C)
Mesitylene (108-67-8)	
Viscosity, kinematic	0.843 mm²/s (20 °C)
1-Hexanol, 2-ethyl- (104-76-7)	
Viscosity, kinematic	No data available in the literature
Xylene (1330-20-7)	
Viscosity, kinematic	0.74 mm²/s (20 °C)
Cumene (98-82-8)	
Viscosity, kinematic	0.74 mm²/s (38 °C)
4-Methyl-1H-benzotriazole (29385-43-1)	
Viscosity, kinematic	Not applicable (solid)
Dipropylene glycol methyl ether (34590-94-8)	
Viscosity, kinematic	4.55 mm²/s (20 °C, OECD 114: Viscosity of Liquids)
Naphthalene (91-20-3)	
Viscosity, kinematic	1 mm²/s (80 °C, OECD 114: Viscosity of Liquids)
Ethylbenzene (100-41-4)	
Viscosity, kinematic	0.773 mm²/s (20 °C, OECD 114: Viscosity of Liquids)
Acetic acid ethenyl ester (108-05-4)	
Viscosity, kinematic	0.451 mm²/s

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : Harmful if inhaled. May cause respiratory irritation.

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Eye irritation.
Symptoms/effects after ingestion : Harmful if swallowed. Risk of lung edema.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long–term (chronic) : Very toxic to aquatic life with long lasting effects.

Solvent naphtha (petroleum), light arom. (64742-95-6)	
LC50 - Fish [1]	9.22 mg/l Source: IUCLID
EC50 - Crustacea [1]	6.14 mg/l Source: IUCLID
EC50 72h - Algae [1]	19 mg/l Source: IUCLID

2-Ethylhexyl nitrate (27247-96-7)	
LC50 - Fish [1]	2 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	> 12.6 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
EC50 96h - Algae [1]	1.111 mg/l Source: ECOSAR
ErC50 algae	3.22 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)

Benzene, 1,2,4-trimethyl- (95-63-6)	
LC50 - Fish [1]	7.72 mg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	6.14 mg/l Source: International Uniform ChemicaL Information Database
EC50 96h - Algae [1]	2.356 mg/l (ECOSAR, Algae, Fresh water, QSAR)

Mesitylene (108-67-8)	
LC50 - Fish [1]	12.52 mg/l (96 h, Carassius auratus, Flow-through system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	6 mg/l
ErC50 algae	53 mg/l (DIN 38412-9, 48 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
NOEC (chronic)	0.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.277 mg/l Test organisms (species): other: Duration: '30 d'
NOEC chronic crustacea	0.4 mg/l

1-Hexanol, 2-ethyl- (104-76-7)	
LC50 - Fish [1]	17.1 mg/l (EU Method C.1, 96 h, Leuciscus idus, Flow-through system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	39 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)

1-Hexanol, 2-ethyl- (104-76-7)	
LC50 - Fish [2]	28.2 mg/l Test organisms (species): Pimephales promelas
EC50 72h - Algae [1]	11.5 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	16.6 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	16.6 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

Xylene (1330-20-7)	
LC50 - Fish [1]	2.6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static renewal, Fresh water, Read-across, Lethal)
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia
ErC50 algae	4.4 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'

Cumene (98-82-8)	
LC50 - Fish [1]	4.8 mg/l (EPA OTS 797.1400, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	2.14 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
LC50 - Fish [2]	4.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 72h - Algae [1]	2.01 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	1.29 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	2.01 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)
NOEC (chronic)	0.35 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.38 mg/l Test organisms (species): other: Duration: '28 d'
NOEC chronic crustacea	0.35 mg/l
NOEC chronic algae	0.22 mg/l

4-Methyl-1H-benzotriazole (29385-43-1)	
LC50 - Fish [1]	55 mg/l (Equivalent or similar to OECD 203, 96 h, Cyprinodon variegatus, Semi-static system, Salt water, Experimental value)
EC50 - Other aquatic organisms [1]	15.8 mg/l Test organisms (species): other aquatic crustacea:
EC50 - Other aquatic organisms [2]	8.58 mg/l Test organisms (species): other aquatic crustacea:
EC50 72h - Algae [1]	53 mg/l (ISO 10253, Skeletonema costatum, Static system, Salt water, Experimental value, Growth rate)
EC50 96h - Algae [1]	13.795 mg/l Source: ECOSAR
LOEC (chronic)	37.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

4-Methyl-1H-benzotriazole (29385-43-1)	
NOEC (chronic)	18.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Benzene, 1,2,3-trimethyl- (526-73-8)	
LC50 - Fish [1]	2.792 mg/l Source: Ecological Structure Activity Relationships
EC50 - Crustacea [1]	2.7 mg/l
EC50 96h - Algae [1]	2.29 mg/l Source: Ecological Structure Activity Relationships
NOEC chronic algae	0.38 mg/l

Dipropylene glycol methyl ether (34590-94-8)	
LC50 - Fish [1]	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Poecilia reticulata, Static system, Fresh water, Experimental value, GLP)
EC50 - Other aquatic organisms [1]	1930 mg/l Test organisms (species): other aquatic crustacea:
EC50 72h - Algae [1]	> 969 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 969 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
ErC50 algae	> 969 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
LOEC (chronic)	0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'

Naphthalene (91-20-3)	
LC50 - Fish [1]	0.96 ppm (Oncorhynchus gorbuscha, Flow-through system, Salt water, Experimental value, Lethal)
EC50 - Crustacea [1]	2.16 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
EC50 72h - Algae [1]	0.4 mg/l (Skeletonema costatum, Literature study, Growth rate)
NOEC (chronic)	0.59 mg/l Test organisms (species): Daphnia pulex Duration: '125 d'
NOEC chronic fish	0.12 mg/l
NOEC chronic crustacea	3 mg/l

Ethylbenzene (100-41-4)	
LC50 - Fish [1]	5.1 mg/l (ASTM, 96 h, Menidia menidia, Flow-through system, Salt water, Experimental value, Lethal)
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h - Algae [1]	5.4 mg/l (US EPA, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)
EC50 72h - Algae [2]	4.9 mg/l Test organisms (species): Skeletonema costatum
EC50 96h - Algae [1]	3.6 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [2]	7.7 mg/l Test organisms (species): Skeletonema costatum
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'

Ethylbenzene (100-41-4)	
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC chronic crustacea	0.956 mg/l

12.2. Persistence and degradability

Diesel Deep Clean Winter Fuel Treatment	
Persistence and degradability	Not rapidly degradable

Solvent naphtha (petroleum), light arom. (64742-95-6)	
Persistence and degradability	Not rapidly degradable

2-Ethylhexyl nitrate (27247-96-7)	
Persistence and degradability	Not readily biodegradable in water.

Benzene, 1,2,4-trimethyl- (95-63-6)	
Persistence and degradability	Not readily biodegradable in water.
Chemical oxygen demand (COD)	0.44 g O_2/g substance

Mesitylene (108-67-8)	
Persistence and degradability	Biodegradable in the soil, Biodegradable in water.
Biochemical oxygen demand (BOD)	0.0957 g O_2/g substance
Chemical oxygen demand (COD)	0.319 g O_2/g substance
ThOD	3.19 g O_2/g substance

1-Hexanol, 2-ethyl- (104-76-7)	
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.

Xylene (1330-20-7)	
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.

Cumene (98-82-8)	
Persistence and degradability	Readily biodegradable in water, Not easily biodegradable in water in anaerobic conditions.
Biochemical oxygen demand (BOD)	1.28 g O_2/g substance
Chemical oxygen demand (COD)	2.42 g O_2/g substance
ThOD	3.2 g O_2/g substance

4-Methyl-1H-benzotriazole (29385-43-1)	
Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	0 g O_2/g substance
Chemical oxygen demand (COD)	1.83 g O_2/g substance

Benzene, 1,2,3-trimethyl- (526-73-8)	
Persistence and degradability	Non degradable in the soil, Not readily biodegradable in water.

Dipropylene glycol methyl ether (34590-94-8)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0 g O_2/g substance

Dipropylene glycol methyl ether (34590-94-8)	
ThOD	2.06 g O_2/g substance

Naphthalene (91-20-3)	
Persistence and degradability	Readily biodegradable in the soil, Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0 g O_2/g substance
Chemical oxygen demand (COD)	0.22 g O_2/g substance
ThOD	2.99 g O_2/g substance

Ethylbenzene (100-41-4)	
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.44 g O_2/g substance
Chemical oxygen demand (COD)	2.1 g O_2/g substance
ThOD	3.17 g O_2/g substance

Acetic acid ethenyl ester (108-05-4)	
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.
ThOD	1.7 g O_2/g substance

12.3. Bioaccumulative potential

Solvent naphtha (petroleum), light arom. (64742-95-6)	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6

2-Ethylhexyl nitrate (27247-96-7)	
BCF - Fish [1]	1332 l/kg (OECD 305: Bioconcentration: Flow-Through Fish Test, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	5.24 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 40 °C)
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).

Benzene, 1,2,4-trimethyl- (95-63-6)	
BCF - Fish [1]	243 (Pimephales promelas, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.63 (Experimental value, KOWWIN)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Mesitylene (108-67-8)	
BCF - Fish [1]	161 (Pimephales promelas, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.42 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

1-Hexanol, 2-ethyl- (104-76-7)	
Partition coefficient n-octanol/water (Log Pow)	2.9 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Xylene (1330-20-7)	
BCF - Fish [1]	7.2 – 26 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across)

Xylene (1330-20-7)	
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Cumene (98-82-8)	
BCF - Fish [1]	94.69 l/kg (BCFBAF v3.00, Pisces, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3.55 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

4-Methyl-1H-benzotriazole (29385-43-1)	
BCF - Fish [1]	2.4 l/kg (BCFBAF v3.00)
BCF - Other aquatic organisms [1]	4.168 (BCFWIN, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	1.079 – 1.083 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Benzene, 1,2,3-trimethyl- (526-73-8)	
BCF - Fish [1]	133 – 259 (Cyprinus carpio, Literature study)
Partition coefficient n-octanol/water (Log Pow)	3.66 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Dipropylene glycol methyl ether (34590-94-8)	
Partition coefficient n-octanol/water (Log Pow)	0.004 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Naphthalene (91-20-3)	
BCF - Fish [1]	23 – 168 (OECD 305: Bioconcentration: Flow-Through Fish Test, 8 week(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.4 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Ethylbenzene (100-41-4)	
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Acetic acid ethenyl ester (108-05-4)	
BCF - Fish [1]	3.16 l/kg (BCFBAF v3.00, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	0.73 (Experimental value, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

2-Ethylhexyl nitrate (27247-96-7)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.75 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Low potential for mobility in soil.

Benzene, 1,2,4-trimethyl- (95-63-6)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.04 (log Koc, Calculated value)
Ecology - soil	Low potential for mobility in soil. May be harmful to plant growth, blooming and fruit formation.

Mesitylene (108-67-8)	
Surface tension	27.55 mN/m (25 °C, 100 vol %)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.87 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.

1-Hexanol, 2-ethyl- (104-76-7)	
Surface tension	47 mN/m (20 °C, 0.81 g/l)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.5475 – 2.1177 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

Xylene (1330-20-7)	
Surface tension	28.01 – 29.76 mN/m (25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.7 (log Koc, Equivalent or similar to OECD 121, Read-across)
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.

Cumene (98-82-8)	
Surface tension	28.2 mN/m (20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.9 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

4-Methyl-1H-benzotriazole (29385-43-1)	
Ecology - soil	No (test)data on mobility of the substance available.

Benzene, 1,2,3-trimethyl- (526-73-8)	
Mobility in soil	630 Source: National Library of Medicine/Hazardous Substances Data Bank
Ecology - soil	Adsorbs into the soil.

Dipropylene glycol methyl ether (34590-94-8)	
Surface tension	68.7 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil. Not toxic to plants.

Naphthalene (91-20-3)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.864 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

Ethylbenzene (100-41-4)	
Surface tension	71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.

Acetic acid ethenyl ester (108-05-4)	
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Flammable vapors may accumulate in the container. Do not re-use empty containers.
Ecological waste information : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
UN1993	UN1993	UN1993	UN1993
14.2. Proper Shipping Name			
Flammable liquids, n.o.s. (Solvent naphtha; 2-ethylhexyl nitrate)	FLAMMABLE LIQUID, N.O.S. (Solvent naphtha; 2-ethylhexyl nitrate)	FLAMMABLE LIQUID, N.O.S. (Solvent naphtha; 2-ethylhexyl nitrate)	Flammable liquid, n.o.s. (Solvent naphtha; 2-ethylhexyl nitrate)

DOT	TDG	IMDG	IATA
14.3. Transport hazard class(es)			
3	3	3	3
			
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT) : UN1993

DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.
B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L

DOT Vessel Stowage Location : A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.

TDG

UN-No. (TDG) : UN1993

TDG Special Provisions	:	16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS,150 - An approved ERAP is required for the dangerous goods referred to in paragraph 7.2(1)(f) of Part 7 (Emergency Response Assistance Plan).
Explosive Limit and Limited Quantity Index	:	5 L
Excepted quantities (TDG)	:	E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	60 L
Emergency Response Guide (ERG) Number	:	128

IMDG

Special provision (IMDG)	:	223, 274, 955
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	LP01, P001
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1, TP29
EmS-No. (Fire)	:	F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	:	S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	:	A

IATA

Special provision (IATA)	:	A3
PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y344
PCA limited quantity max net quantity (IATA)	:	10L
PCA packing instructions (IATA)	:	355
PCA max net quantity (IATA)	:	60L
CAO packing instructions (IATA)	:	366
CAO max net quantity (IATA)	:	220L
ERG code (IATA)	:	3L

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.		
Benzene, 1,2,4-trimethyl-	CAS-No. 95-63-6	10 - 30*%
Xylene	CAS-No. 1330-20-7	1 - 5*%
Cumene	CAS-No. 98-82-8	1 - 5*%
Naphthalene	CAS-No. 91-20-3	0.1 - 1*%
Ethylbenzene	CAS-No. 100-41-4	0.1 - 1*%
Acetic acid ethenyl ester	CAS-No. 108-05-4	0.1 - 1*%

Xylene (1330-20-7)	
Listed on EPA Hazardous Air Pollutant (HAPS) Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits	
CERCLA RQ	100 lb

Cumene (98-82-8)	
Listed on EPA Hazardous Air Pollutant (HAPS) Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits	
CERCLA RQ	5000 lb

Naphthalene (91-20-3)	
Listed on EPA Hazardous Air Pollutant (HAPS) Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits	
CERCLA RQ	100 lb

Ethylbenzene (100-41-4)	
Listed on EPA Hazardous Air Pollutant (HAPS) Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits	
CERCLA RQ	1000 lb

Acetic acid ethenyl ester (108-05-4)	
Listed on EPA Hazardous Air Pollutant (HAPS) Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits	
CERCLA RQ	5000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb

15.2. International regulations

CANADA

Solvent naphtha (petroleum), light arom. (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List)

2-Ethylhexyl nitrate (27247-96-7)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

Mesitylene (108-67-8)

Listed on the Canadian DSL (Domestic Substances List)

1-Hexanol, 2-ethyl- (104-76-7)

Listed on the Canadian DSL (Domestic Substances List)

Xylene (1330-20-7)

Listed on the Canadian DSL (Domestic Substances List)

Cumene (98-82-8)

Listed on the Canadian DSL (Domestic Substances List)

4-Methyl-1H-benzotriazole (29385-43-1)

Listed on the Canadian DSL (Domestic Substances List)

Benzene, 1,2,3-trimethyl- (526-73-8)

Listed on the Canadian DSL (Domestic Substances List)

Dipropylene glycol methyl ether (34590-94-8)

Listed on the Canadian DSL (Domestic Substances List)

Naphthalene (91-20-3)

Listed on the Canadian DSL (Domestic Substances List)

Ethylbenzene (100-41-4)

Listed on the Canadian DSL (Domestic Substances List)

Acetic acid ethenyl ester (108-05-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Solvent naphtha (petroleum), light arom. (64742-95-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Mesitylene (108-67-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

1-Hexanol, 2-ethyl- (104-76-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Xylene (1330-20-7)

Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Cumene (98-82-8)

Listed on IARC (International Agency for Research on Cancer)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits
Listed on INSQ (Mexican National Inventory of Chemical Substances)

4-Methyl-1H-benzotriazole (29385-43-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Dipropylene glycol methyl ether (34590-94-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Naphthalene (91-20-3)

Listed on IARC (International Agency for Research on Cancer)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on Thailand Existing Chemicals Inventory (DIW)
Listed on the NCI (Vietnam - National Chemical Inventory)

Acetic acid ethenyl ester (108-05-4)

Listed on IARC (International Agency for Research on Cancer)
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits
Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

WARNING: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Revision date : 2/5/2026

Issue date : 8/18/2025

Full text of hazard classes and H-statements	
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H320	Causes eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), USA

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.