

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Product name : VISCOSITY TUTELA Diesel Fuel Winter Treatment

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

Use of the substance/mixture : Lubricants and additives  
 Restrictions on use : No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Viscosity Oil Company  
 600 H Joliet Road  
 Willowbrook, IL 60527  
 T 630-850-4000 - F 630-850-4022

##### Supplier

Viscosity Oil Company  
 1918 Boul.Saint-Regis  
 Dorval, QC H9P 1H6 - Canada

#### 1.4. Emergency telephone number

Emergency number : (800) 424-9300  
 CHEMTREC (24 HOURS)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Flammable liquids, Category 3	H226
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Carcinogenicity, Category 2	H351
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335
Specific target organ toxicity — Repeated exposure, Category 2	H373
Aspiration hazard, Category 1	H304

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS) :



GHS02



GHS07



GHS08

Signal word (GHS) : Danger

Hazard statements (GHS\_US) :

- H226 - Flammable liquid and vapour.
- 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.
- H351 - Suspected of causing cancer.
- H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS) :

- 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 electrical/ventilating/lighting equipment.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.
- P260 - Do not breathe mist, vapours, spray.
- P261 - Avoid breathing mist, vapours, spray.

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P264 - Wash hands, forearms and face thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 - If swallowed: Immediately call a poison center or doctor.  
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/doctor if you feel unwell  
P314 - Get medical advice/attention if you feel unwell.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P331 - Do NOT induce vomiting.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P370+P378 - In case of fire: Use media other than water to extinguish.  
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/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS\_US)

0.19% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

0.19% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	% (w/w)	GHS classification
Solvent naphtha (petroleum), light arom. (benzene < 0.1%)	(CAS.No.) 64742-95-6	30 - 40	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Distillates (petroleum), hydrotreated light	(CAS.No.) 64742-47-8	30 - 40	Flam. Liq. 4, H227 Asp. Tox. 1, H304
1,2,4-trimethylbenzene	(CAS.No.) 95-63-6	5 - 15	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Chronic 2, H411
mesitylene; 1,3,5-trimethylbenzene	(CAS.No.) 108-67-8	3 - 7	Flam. Liq. 3, H226 STOT SE 3, H335 Aquatic Chronic 2, H411
2,6-Di-tert-butylphenol	(CAS.No.) 128-39-2	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Xylene	(CAS.No.) 1330-20-7	0.5 - 2	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
1,2,3-Trimethylbenzene	(CAS.No.) 526-73-8	0.5 - 2	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H336

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Name	Product identifier	% (w/w)	GHS classification
cumene	(CAS-No.) 98-82-8	0.5 - 2	Flam. Liq. 3, H226 Carc. 2, H351 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

\*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 first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Artificial respiration and/or oxygen if necessary. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Wash skin thoroughly with mild soap and water. Take off contaminated clothing and wash it before reuse. 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. Immediately call a POISON CENTER/doctor.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.
- Symptoms/effects after inhalation : May cause respiratory irritation. May cause drowsiness or dizziness. Nausea. Headache. Dizziness. Inhalation of vapours may cause respiratory irritation.
- Symptoms/effects after skin contact : Causes skin irritation. Repeated or prolonged skin contact may cause dermatitis and defatting.
- Symptoms/effects after eye contact : Causes serious eye irritation.
- Symptoms/effects after ingestion : May be fatal if swallowed and enters airways. May damage lungs if swallowed and aspirated. Risk of aspiration pneumonia. Never attempt to induce vomiting : risk of inhalation.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapour. Flammable vapours may accumulate in the container. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.
- Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Reactivity : No dangerous reactions known under normal conditions of use.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Do not allow run-off from fire fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Do not breathe aerosol. Do not breathe vapour. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Ground/bond container and receiving equipment.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Refer to section 8.2.

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Emergency procedures : Evacuate unnecessary personnel.

### 6.1.2. For emergency responders

Protective equipment : Refer to section 8.2.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe aerosol. Use only outdoors or in a well-ventilated area. Do not breathe vapours. Do not get in eyes, on skin, or on clothing. Do not pierce or burn, even after use.

Hygiene measures : Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.

Storage conditions : Keep only in the original container. Keep container tightly closed.

Incompatible products : Strong bases. Strong acids. Strong oxidizers.

Heat and ignition sources : Keep away from heat, sparks and flame.

Storage area : Store in dry, cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Distillates (petroleum), hydrotreated light (64742-47-8)		
Not applicable		
Solvent naphtha (petroleum), light arom. (benzene < 0.1%) (64742-95-6)		
Not applicable		
1,2,4-trimethylbenzene (95-63-6)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	123 mg/m <sup>3</sup>
ACGIH	ACGIH OEL TWA [ppm]	25 ppm
NIOSH	NIOSH REL TWA	125 mg/m <sup>3</sup>
NIOSH	NIOSH REL TWA [ppm]	25 ppm
mesitylene; 1,3,5-trimethylbenzene (108-67-8)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	123 mg/m <sup>3</sup>
ACGIH	ACGIH OEL TWA [ppm]	25 ppm
NIOSH	NIOSH REL TWA	125 mg/m <sup>3</sup>
NIOSH	NIOSH REL TWA [ppm]	25 ppm

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<b>Xylene (1330-20-7)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	434 mg/m <sup>3</sup>
ACGIH	ACGIH OEL TWA [ppm]	100 ppm
ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	651 mg/m <sup>3</sup>
ACGIH	ACGIH OEL STEL [ppm]	150 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
OSHA	OSHA PEL TWA [1]	435 mg/m <sup>3</sup>
OSHA	OSHA PEL TWA [2]	100 ppm
NIOSH	NIOSH REL TWA	435 mg/m <sup>3</sup>
NIOSH	NIOSH REL TWA [ppm]	100 ppm
NIOSH	NIOSH REL STEL	655 mg/m <sup>3</sup>
NIOSH	NIOSH REL STEL [ppm]	150 ppm
<b>1,2,3-Trimethylbenzene (526-73-8)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	123 mg/m <sup>3</sup>
ACGIH	ACGIH OEL TWA [ppm]	25 ppm
NIOSH	NIOSH REL TWA	125 mg/m <sup>3</sup>
NIOSH	NIOSH REL TWA [ppm]	25 ppm
<b>cumene (98-82-8)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
ACGIH	ACGIH OEL TWA [ppm]	50 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: Eye, skin, & URT irr; CNS impair
OSHA	OSHA PEL TWA [1]	245 mg/m <sup>3</sup>
OSHA	OSHA PEL TWA [2]	50 ppm
NIOSH	NIOSH REL TWA	245 mg/m <sup>3</sup>
NIOSH	NIOSH REL TWA [ppm]	50 ppm
<b>2,6-Di-tert-butylphenol (128-39-2)</b>		
Not applicable		

### 8.2. Exposure controls

Appropriate engineering controls	: Avoid creating mist or spray. Avoid splashing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear suitable gloves resistant to chemical penetration. Nitrile rubber. Butyl rubber.
Eye protection	: Chemical goggles or safety glasses. If there is a risk of liquid being splashed : face shield.
Skin and body protection	: Wear suitable protective clothing. Long sleeved protective clothing.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Use an approved respirator equipped with oil/mist cartridges.
Environmental exposure controls	: Avoid release to the environment. Prevent leakage or spillage.
Other information	: Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: amber
Odour	: petroleum
Odour threshold	: No data available
pH	: No data available

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Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Flammable liquid and vapour.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions. Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

Hydrocarbon. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure : Inhalation; Skin and eye contact

Acute toxicity : Not classified

<b>Distillates (petroleum), hydrotreated light (64742-47-8)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
<b>Solvent naphtha (petroleum), light arom. (benzene &lt; 0.1%) (64742-95-6)</b>	
LD50 oral rat	3592 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
ATE (oral)	3592 mg/kg bodyweight
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LD50 oral rat	3415 mg/kg
LD50 dermal rat	3440 mg/kg
LC50 Inhalation - Rat [ppm]	954 ppm
ATE (oral)	3415 mg/kg bodyweight

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<b>1,2,4-trimethylbenzene (95-63-6)</b>	
ATE (dermal)	3440 mg/kg bodyweight
ATE (gases)	4500 ppmv/4h
ATE (vapours)	11 mg/l/4h
ATE (dust,mist)	1.5 mg/l/4h

<b>mesitylene; 1,3,5-trimethylbenzene (108-67-8)</b>	
LD50 oral rat	5000 mg/kg
LD50 dermal rat	> 4 ml/kg
LC50 Inhalation - Rat	24000 mg/m <sup>3</sup>
ATE (oral)	5000 mg/kg bodyweight
ATE (vapours)	24 mg/l/4h
ATE (dust,mist)	24 mg/l/4h

<b>Xylene (1330-20-7)</b>	
LD50 oral rat	4300 mg/kg
LD50 dermal rat	1100 mg/kg
LC50 Inhalation - Rat [ppm]	6247 ppm/4h
ATE (oral)	4300 mg/kg bodyweight
ATE (dermal)	1100 mg/kg bodyweight
ATE (gases)	6247 ppmv/4h
ATE (vapours)	11 mg/l/4h
ATE (dust,mist)	1.5 mg/l/4h

<b>cumene (98-82-8)</b>	
LD50 oral rat	4000 mg/kg
LD50 dermal rabbit	10600 mg/kg
LC50 Inhalation - Rat	22.1 mg/l
LC50 Inhalation - Rat [ppm]	4510 ppm/4h
ATE (oral)	4000 mg/kg bodyweight
ATE (dermal)	10600 mg/kg bodyweight
ATE (gases)	4510 ppmv/4h
ATE (vapours)	22.1 mg/l/4h
ATE (dust,mist)	22.1 mg/l/4h

<b>2,6-Di-tert-butylphenol (128-39-2)</b>	
LD50 oral rat	1320 mg/kg
LD50 dermal rabbit	> 10 g/kg
ATE (oral)	1320 mg/kg bodyweight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

<b>Xylene (1330-20-7)</b>	
IARC group	3 - Not classifiable

<b>cumene (98-82-8)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen

Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness. May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: May cause respiratory irritation. May cause drowsiness or dizziness. Nausea. Headache. Dizziness. Inhalation of vapours may cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation. Repeated or prolonged skin contact may cause dermatitis and defatting.

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Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May damage lungs if swallowed and aspirated. Risk of aspiration pneumonia. Never attempt to induce vomiting : risk of inhalation.

### SECTION 12: Ecological information

#### 12.1. Toxicity

<b>Solvent naphtha (petroleum), light arom. (benzene &lt; 0.1%) (64742-95-6)</b>	
LC50 fish 1	9.22 mg/l 96 h
EC50 crustacea	6.14 mg/l 48 h
EC50 other aquatic organisms 1	1 – 10 mg/l
ErC50 algae	19 mg/l 96 h
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LC50 fish 1	7.72 mg/l
LC50 other aquatic organisms 1	3.6 mg/l
EC50 other aquatic organisms 1	2.356 mg/l
<b>mesitylene; 1,3,5-trimethylbenzene (108-67-8)</b>	
LC50 fish 1	12.52 mg/l
LC50 other aquatic organisms 1	6 mg/l
EC50 other aquatic organisms 1	25 mg/l
<b>cumene (98-82-8)</b>	
LC50 fish 1	4.8 mg/l
EC50 other aquatic organisms 1	2.14 mg/l
NOEC (acute)	1.9 mg/l

#### 12.2. Persistence and degradability

<b>VISCOSITY TUTELA Diesel Fuel Winter Treatment</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>mesitylene; 1,3,5-trimethylbenzene (108-67-8)</b>	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 % O2 consumption, 192h
<b>cumene (98-82-8)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.

#### 12.3. Bioaccumulative potential

<b>VISCOSITY TUTELA Diesel Fuel Winter Treatment</b>	
Bioaccumulative potential	Not established.
<b>Distillates (petroleum), hydrotreated light (64742-47-8)</b>	
Log Kow	2.1 – 5
Bioaccumulative potential	Bioaccumulative potential.
<b>mesitylene; 1,3,5-trimethylbenzene (108-67-8)</b>	
BCF fish 1	23 – 382 concentration 150ppb
BCF fish 2	42 – 328 concentration 15ppb
Log Pow	3.42
<b>cumene (98-82-8)</b>	
Bioaccumulative potential	Not established.
<b>2,6-Di-tert-butylphenol (128-39-2)</b>	
Log Pow	4.5

#### 12.4. Mobility in soil

<b>VISCOSITY TUTELA Diesel Fuel Winter Treatment</b>	
Ecology - soil	Not established.



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### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Handle empty containers with care because residual vapours are flammable.  
Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN3295 HYDROCARBONS, LIQUID, N.O.S. (Solvent naphtha (petroleum), 1,2,4-trimethylbenzene), 3, III  
UN-No.(DOT) : UN3295  
Proper Shipping Name (DOT) : HYDROCARBONS, LIQUID, N.O.S.  
Solvent naphtha (petroleum), 1,2,4-trimethylbenzene  
Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Packing group (DOT) : III - Minor Danger  
Hazard labels (DOT) : 3 - Flammable liquid



DOT Packaging Non Bulk (49 CFR 173.xxx) : 203  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
DOT Special Provisions (49 CFR 172.102) : 144 - If transported as a residue in an underground storage tank (UST), as defined in 40 CFR 280.12, that has been cleaned and purged or rendered inert according to the American Petroleum Institute (API) Standard 1604 (IBR, see 171.7 of this subchapter), then the tank and this material are not subject to any other requirements of this subchapter. However, sediments remaining in the tank that meet the definition for a hazardous material are subject to the applicable regulations of this subchapter.  
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.  
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 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.  
Emergency Response Guide (ERG) Number : 128

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Other information : No supplementary information available.

### Transportation of Dangerous Goods

Transport document description (TDG) : UN 3295 HYDROCARBONS, LIQUID, N.O.S. (Solvent naphtha (petroleum), 1,2,4-trimethylbenzene), 3, III  
UN-No. (TDG) : UN 3295  
Proper Shipping Name (TDG) : HYDROCARBONS, LIQUID, N.O.S.  
Primary Hazard Classes : 3 - Class 3 - Flammable Liquids  
Packing group (TDG) : III - Minor Danger

### Transport by sea

Transport document description (IMDG) : UN 3295 HYDROCARBONS, LIQUID, N.O.S. (Solvent naphtha (petroleum), 1,2,4-trimethylbenzene), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS  
UN-No. (IMDG) : 3295  
Proper Shipping Name (IMDG) : HYDROCARBONS, LIQUID, N.O.S.  
Class (IMDG) : 3 - Flammable liquids  
Packing group (IMDG) : III - substances presenting low danger  
Limited quantities (IMDG) : 5 L

### Air transport

Transport document description (IATA) : UN 3295 HYDROCARBONS, LIQUID, N.O.S. (Solvent naphtha (petroleum), 1,2,4-trimethylbenzene), 3, III, ENVIRONMENTALLY HAZARDOUS  
UN-No. (IATA) : 3295  
Proper Shipping Name (IATA) : HYDROCARBONS, LIQUID, N.O.S.  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : III - Minor Danger

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

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

#### 1,2,4-trimethylbenzene (95-63-6)

Subject to reporting requirements of United States SARA Section 313

SARA Section 313 - Emission Reporting	1 %
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#### Xylene (1330-20-7)

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ	100 lb
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SARA Section 313 - Emission Reporting	1 %
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#### cumene (98-82-8)

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ	5000 lb
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SARA Section 313 - Emission Reporting	1 %
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#### 2,6-Di-tert-butylphenol (128-39-2)

EPA TSCA Regulatory Flag	TP - TP - indicates a substance that is the subject of a proposed TSCA section 4 test rule.
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### 15.2. International regulations

#### CANADA

##### Distillates (petroleum), hydrotreated light (64742-47-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

##### Solvent naphtha (petroleum), light arom. (benzene < 0.1%) (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

##### 1,2,4-trimethylbenzene (95-63-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

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### **mesitylene; 1,3,5-trimethylbenzene (108-67-8)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

### **Xylene (1330-20-7)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

### **1,2,3-Trimethylbenzene (526-73-8)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

### **cumene (98-82-8)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

### **2,6-Di-tert-butylphenol (128-39-2)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

## **EU-Regulations**

### **Distillates (petroleum), hydrotreated light (64742-47-8)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### **Solvent naphtha (petroleum), light arom. (benzene < 0.1%) (64742-95-6)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### **mesitylene; 1,3,5-trimethylbenzene (108-67-8)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### **Xylene (1330-20-7)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### **1,2,3-Trimethylbenzene (526-73-8)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### **cumene (98-82-8)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

## **National regulations**

### **Distillates (petroleum), hydrotreated light (64742-47-8)**

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on Taiwan National Chemical Inventory  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

### **Solvent naphtha (petroleum), light arom. (benzene < 0.1%) (64742-95-6)**

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on Taiwan National Chemical Inventory  
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

### **mesitylene; 1,3,5-trimethylbenzene (108-67-8)**

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Chinese Catalog of Hazardous Chemicals.  
Listed on Taiwan National Chemical Inventory  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

### **Xylene (1330-20-7)**

Listed on EPA Hazardous Air Pollutant (HAPS)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on Taiwan National Chemical Inventory  
Listed on the AICS (Australian Inventory of Chemical Substances)

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### Xylene (1330-20-7)

Listed on the Chinese Catalog of Hazardous Chemicals.  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
South Korea Phase-in Substance Subject to Registration  
South Korea Toxic Substance when >=85%  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

### 1,2,3-Trimethylbenzene (526-73-8)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on Taiwan National Chemical Inventory  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Chinese Catalog of Hazardous Chemicals.  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

### cumene (98-82-8)

Listed on IARC (International Agency for Research on Cancer)  
Listed as carcinogen on NTP (National Toxicology Program)  
Listed on EPA Hazardous Air Pollutant (HAPS)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on Taiwan National Chemical Inventory  
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Chinese Catalog of Hazardous Chemicals.  
Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

### 15.3. US State regulations

**⚠ WARNING:** This product can expose you to 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](http://www.P65Warnings.ca.gov).

Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
cumene(98-82-8)	X					
ethylbenzene(100-41-4)	X				54 µg/day (inhalation); 41 µg/day (oral)	
Toluene(108-88-3)		X				7000 µg/day
Benzene(71-43-2)	X	X	X		6.4 µg/day (oral); 13 µg/day (inhalation)	24 µg/day (oral); 49 µg/day (inhalation)
Naphthalene(91-20-3)	X				5.8 µg/day	

Component	State or local regulations
1,2,4-trimethylbenzene(95-63-6)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Xylene(1330-20-7)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
cumene(98-82-8)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

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### SECTION 16: Other information

Revision date : 12/04/2020

Data sources : ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. NIOSH Occupational Health Guide for chemical Substances - Vol. II, September, 1978. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information : None.

Full text of H-statements:

H226	Flammable liquid and vapour.
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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

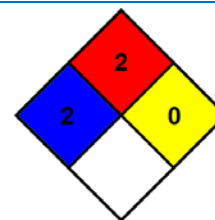
Abbreviations and acronyms:

	ACGIH (American Conference of Government Industrial Hygienists)
	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	OSHA: Occupational Safety & Health Administration
	TSCA: Toxic Substances Control Act
	STEL: Short Term Exposure Limits
	TWA: Time Weighted Average

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

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



Indication of changes:  
Product identifier.

*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.*