

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

### 1.1. Product identifier

Safety data sheet number FG-2473

Product Name Ultrarelease PET Liquid

### Other means of identification

Unique Formula Identifier (UFI) HK00-V0H9-1009-P3KS

Pure substance/mixture Mixture

Contains Naphtha, petroleum, light alkylate; Mineral Spirits; Xylene; Ethylbenzene; Trimethylbenzene; Ethyltoluene

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

Recommended use Release Agent

Uses advised against No information available

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

#### Supplier

Price Driscoll, 5600 Lower Macungie Rd, Macungie, PA 18062, USA, Phone: +01.610.252.5800, www.smooth-on.com, sds@smooth-on.com

For further information, please contact

E-mail address sds@smooth-on.com

### 1.4. Emergency telephone number

Emergency Telephone CHEMTEL +01-813-248-0585

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Austria	01 406 43 43
Belgium	070 245 245
Bulgaria	+359 9154 233
Croatia	+385 1 2348 342
Cyprus	1401
Czech Republic	224 91 92 93 22191 54 02
Denmark	+45 8212 1212
Estonia	16662
Finland	Maksuton Puhelu: 0800 147 111 Normihinta: +358 9 471 977
France	+33 01 45 42 59 59
Germany	112
Greece	(0030) 2107793777
Hungary	+36 80 201 199

Iceland	+354 543 2222
Ireland	01 837 9964 01 809 2566
Italy	06 3054 343
Latvia	+370 (5) 2362052
Liechtenstein	01 406 43 43
Lithuania	+370 5 236 20 52 +370 687 533 78
Luxembourg	(+352) 8002 5500
Netherlands	+31 (0) 88 755 8000
Norway	22 59 13 00
Poland	+48 22 619 66 54
Portugal	+351 800 250 250
Romania	+40 21 599 2300
Slovakia	+421 2 5477 4166
Spain	+34 91 562 04 20
Sweden	112
Switzerland	145
United Kingdom	0344 892 0111

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Flammable liquids	Category 2 - (H225)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Germ cell mutagenicity	Category 1B - (H340)
Carcinogenicity	Category 1B - (H350)
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)
Aspiration hazard	Category 1 - (H304)
Chronic aquatic toxicity	Category 2 - (H411)

### 2.2. Label elements

Contains Naphtha, petroleum, light alkylate; Mineral Spirits; Xylene; Ethylbenzene; Trimethylbenzene; Ethyltoluene



#### Signal word

Danger

#### Hazard statements

H225 - Highly flammable liquid and vapor.  
H304 - May be fatal if swallowed and enters airways.  
H332 - Harmful if inhaled.  
H340 - May cause genetic defects.  
H350 - May cause cancer.  
H372 - Causes damage to organs through prolonged or repeated exposure.  
H411 - Toxic to aquatic life with long lasting effects.

#### Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
 P331 - Do NOT induce vomiting.  
 P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish.  
 P391 - Collect spillage.  
 P403 + P235 - Store in a well-ventilated place. Keep cool.

**Additional information**

This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

**2.3. Other hazards**

Causes mild skin irritation. Harmful to aquatic life.

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable

**3.2. Mixtures**

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Naphtha, petroleum, light alkylate 64741-66-8	60 - 95	01-2119471305-42-00 12	265-068-8 (649-276-00 -X)	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	-	-	-
Mineral Spirits 8052-41-3	1 - 20	No data available	232-489-3 (649-345-00 -4)	Muta. 1B (H340) Carc. 1B (H350) STOT RE 1 (H372) Asp. Tox. 1 (H304)	-	-	-
Xylene 1330-20-7	1 - 15	No data available	215-535-7 (601-022-00 -9)	Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226)	-	-	-
Ethylbenzene 100-41-4	<1	No data available	202-849-4 (601-023-00 -4)	Acute Tox. 4 (H332) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225)	-	-	-
Trimethylbenzene 25551-13-7	<1	No data available	247-099-9 (649-403-00 -9)	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	-	-	-
2-ethylhexane-1,3-di ol 94-96-2	<1	No data available	202-377-9 (603-087-00 -9)	Eye Dam. 1 (H318)	-	-	-
Ethyltoluene 25550-14-5	<1	No data available	247-093-6 (649-403-00 -9)	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	-	-	-

If "No data available" is reported in the REACH Registration Number column, then the chemical substance is imported in quantities

that are below the REACH registration threshold or are otherwise exempt from registration  
"Below import reportable quantity threshold or otherwise exempt"

**Full text of H- and EUH-phrases: see section 16**

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Naphtha, petroleum, light alkylate 64741-66-8	7000	2000	No data available	No data available	No data available
Mineral Spirits 8052-41-3	No data available	3000	5.5	No data available	No data available
Xylene 1330-20-7	3500	4350	No data available	No data available	No data available
Ethylbenzene 100-41-4	3500	15400	17.4	No data available	No data available
Trimethylbenzene 25551-13-7	8970	No data available	No data available	No data available	No data available
2-ethylhexane-1,3-diol 94-96-2	1400	8960 10251	No data available	No data available	No data available
Ethyltoluene 25550-14-5	3492 6984	3160	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required.
<b>Inhalation</b>	Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Ingestion</b>	ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use

personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid breathing vapors or mists.

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

<b>Symptoms</b>	Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Prolonged contact may cause redness and irritation.
<b>Effects of Exposure</b>	May cause cancer. Mutagenic effects. May cause damage to organs through prolonged or repeated exposure.

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

<b>Note to physicians</b>	Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.
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### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.

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

<b>Specific hazards arising from the chemical</b>	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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#### **5.3. Advice for firefighters**

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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### **SECTION 6: Accidental release measures**

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

##### **6.1.1- Recommendations for those who intervene directly**

No information available.

##### **6.1.2.- Recommendations for those who do not intervene directly**

No information available.

<b>Personal precautions</b>	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Avoid breathing vapors or mists.
<b>Other information</b>	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

**Storage class (TRGS 510)** Storage class 3.

### 7.3. Specific end use(s)

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure Limits**

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Mineral Spirits 8052-41-3	-	-	TWA: 100 ppm TWA: 533 mg/m <sup>3</sup>	-	-
Xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL 100 ppm STEL 442 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 221.0 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 440 mg/m <sup>3</sup> STEL 200 ppm STEL 880 mg/m <sup>3</sup> Sk*	TWA: 20 ppm TWA: 87 mg/m <sup>3</sup> STEL: 125 ppm STEL: 551 mg/m <sup>3</sup> Sk*	TWA: 435 mg/m <sup>3</sup> STEL: 545 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*
Trimethylbenzene 25551-13-7	-	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup> STEL 30 ppm STEL 150 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Mineral Spirits 8052-41-3	-	TWA: 200 mg/m <sup>3</sup> Ceiling: 1000 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 145 mg/m <sup>3</sup> STEL: 50 ppm =<20% Aromatic compounds STEL: 290 mg/m <sup>3</sup> =<20% Aromatic compounds	TWA: 50 ppm TWA: 300 mg/m <sup>3</sup> STEL: 100 ppm STEL: 600 mg/m <sup>3</sup>	-
Xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 200 mg/m <sup>3</sup> Sk* Ceiling: 400 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 109 mg/m <sup>3</sup> STEL: 442 mg/m <sup>3</sup> STEL: 100 ppm Sk*	TWA: 50 ppm TWA: 200 mg/m <sup>3</sup> STEL: 100 ppm STEL: 450 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 100 ppm STEL: 440 mg/m <sup>3</sup> Sk*
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*	TWA: 200 mg/m <sup>3</sup> Sk* Ceiling: 500 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 217 mg/m <sup>3</sup> STEL: 434 mg/m <sup>3</sup> STEL: 100 ppm Sk*	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk* S+	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 200 ppm STEL: 880 mg/m <sup>3</sup> Sk*
Trimethylbenzene 25551-13-7	-	-	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup> STEL: 40 ppm STEL: 200 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Mineral Spirits 8052-41-3	-	-	-	TWA: 100 ppm TWA: 575 mg/m <sup>3</sup> STEL: 125 ppm STEL: 720 mg/m <sup>3</sup>	-
Xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> Peak: 100 ppm Peak: 440 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 150 ppm STEL: 650 mg/m <sup>3</sup> Sk*	TWA: 221 mg/m <sup>3</sup> TWA: 50 ppm STEL: 442 mg/m <sup>3</sup> STEL: 100 ppm Sk*
Ethylbenzene 100-41-4	TWA: 20 ppm TWA: 88.4 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 88 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 88 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup>

	STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	Sk*	Peak: 40 ppm Peak: 176 mg/m <sup>3</sup> Sk*	STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>	STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*
Trimethylbenzene 25551-13-7	TWA: 150 mg/m <sup>3</sup> TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup> Peak: 40 ppm Peak: 200 mg/m <sup>3</sup>	-	-
Ethyltoluene 25550-14-5	TWA: 150 mg/m <sup>3</sup> TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-	-	-
<b>Chemical name</b>	<b>Ireland</b>	<b>Italy MDLPS</b>	<b>Italy AIDII</b>	<b>Latvia</b>	<b>Lithuania</b>
Mineral Spirits 8052-41-3	TWA: 100 ppm TWA: 573 mg/m <sup>3</sup>	-	TWA: 100 ppm TWA: 573 mg/m <sup>3</sup>	-	TWA: 50 ppm TWA: 300 mg/m <sup>3</sup> STEL: 600 mg/m <sup>3</sup> STEL: 100 ppm
Xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 150 ppm STEL: 651 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 221 mg/m <sup>3</sup> TWA: 50 ppm STEL: 442 mg/m <sup>3</sup> STEL: 100 ppm Sk*
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*	TWA: 20 ppm TWA: 87 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*
Trimethylbenzene 25551-13-7	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup> STEL: 60 ppm STEL: 300 mg/m <sup>3</sup> Sk*	-	TWA: 25 ppm TWA: 123 mg/m <sup>3</sup>	-	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup>
Ethyltoluene 25550-14-5	-	-	-	-	TWA: 50 mg/m <sup>3</sup>
<b>Chemical name</b>	<b>Luxembourg</b>	<b>Malta</b>	<b>Netherlands</b>	<b>Norway</b>	<b>Poland</b>
Mineral Spirits 8052-41-3	-	-	-	-	TWA: 300 mg/m <sup>3</sup> STEL: 900 mg/m <sup>3</sup>
Xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 47.5 ppm TWA: 210 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 25 ppm TWA: 108 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 135 mg/m <sup>3</sup> Sk*	TWA: 100 mg/m <sup>3</sup> STEL: 200 mg/m <sup>3</sup> Sk*
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*	TWA: 48.6 ppm TWA: 215 mg/m <sup>3</sup> STEL: 97.3 ppm STEL: 430 mg/m <sup>3</sup> Sk*	TWA: 5 ppm TWA: 20 mg/m <sup>3</sup> STEL: 10 ppm STEL: 30 mg/m <sup>3</sup> Sk*	TWA: 200 mg/m <sup>3</sup> STEL: 400 mg/m <sup>3</sup> Sk*
Trimethylbenzene 25551-13-7	-	-	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup> STEL: 40 ppm STEL: 200 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 100 mg/m <sup>3</sup> STEL: 150 mg/m <sup>3</sup> STEL: 30 ppm	TWA: 100 mg/m <sup>3</sup> STEL: 170 mg/m <sup>3</sup> Sk*
Ethyltoluene 25550-14-5	-	-	-	-	TWA: 100 mg/m <sup>3</sup>
<b>Chemical name</b>	<b>Portugal</b>	<b>Romania</b>	<b>Slovakia</b>	<b>Slovenia</b>	<b>Spain</b>
Mineral Spirits 8052-41-3	TWA: 100 ppm	-	-	-	-
Xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> Sk* Ceiling: 442 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*



Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> Sk* Ceiling: 884 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 441 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> Sk*
Trimethylbenzene 25551-13-7	TWA: 25 ppm	-	-	-	-
Chemical name	Sweden		Switzerland	United Kingdom	
Mineral Spirits 8052-41-3	NGV: 300 mg/m <sup>3</sup> NGV: 50 ppm NGV: 175 mg/m <sup>3</sup> NGV: 30 ppm Vägledande KGV: 100 ppm Vägledande KGV: 600 mg/m <sup>3</sup> Vägledande KGV: 60 ppm Vägledande KGV: 350 mg/m <sup>3</sup> Sk*		-	-	
Xylene 1330-20-7	NGV: 50 ppm NGV: 221 mg/m <sup>3</sup> Bindande KGV: 100 ppm Bindande KGV: 442 mg/m <sup>3</sup> Sk*		TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 100 ppm STEL: 440 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 100 ppm STEL: 441 mg/m <sup>3</sup> Sk*	
Ethylbenzene 100-41-4	NGV: 50 ppm NGV: 220 mg/m <sup>3</sup> Bindande KGV: 200 ppm Bindande KGV: 884 mg/m <sup>3</sup> Sk*		TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 50 ppm STEL: 220 mg/m <sup>3</sup> Sk*	TWA: 100 ppm TWA: 441 mg/m <sup>3</sup> STEL: 125 ppm STEL: 552 mg/m <sup>3</sup> Sk*	
Trimethylbenzene 25551-13-7	NGV: 20 ppm NGV: 100 mg/m <sup>3</sup> Bindande KGV: 35 ppm Bindande KGV: 170 mg/m <sup>3</sup>		TWA: 20 ppm TWA: 100 mg/m <sup>3</sup> STEL: 40 ppm STEL: 200 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup> STEL: 75 ppm STEL: 375 mg/m <sup>3</sup>	

### Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Xylene 1330-20-7	-	Check 1.5 g/L (urine - Methylhippuric acid after end of work day, at the end of a work week/end of the shift)	-	1.50 mg/L - blood (Xylene) - at the end of the work shift 1.50 g/g Creatinine - urine (Methylhippuric acid) - at the end of the work shift	820 µmol/mmol Creatinine (urine - Methylhippuric acid end of shift) 1400 mg/g Creatinine (urine - Methylhippuric acid end of shift)
Ethylbenzene 100-41-4	-	-	2000 mg/g Creatinine - urine (Mandelic acid and Phenylglyoxylic acid - total) - at the end of exposure or end of work shift	1.50 mg/L - blood (Ethylbenzene) - during exposure 1.50 g/g Creatinine - urine (Mandelic acid) - at the end of the work shift and at the end of the working week	1100 µmol/mmol Creatinine (urine - Mandelic acid end of shift) 1500 mg/g Creatinine (urine - Mandelic acid end of shift)
Trimethylbenzene 25551-13-7	-	-	-	400 mg/g Creatinine - urine (Dimethylbenzoic acid (sum of all isomers)) - at the end of the work shift;	-

Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
Xylene 1330-20-7	-	5.0 mmol/L (urine - Methylhippuric acid after the shift)	- urine (Methylhippuric acid) - end of shift	at chronic exposure in the middle of the working week 2000 mg/L (urine - Methylhippuric(tolur -)acid (all isomers) end of shift) 2000 mg/L - BAT (end of exposure or end of shift) urine	2000 mg/L (urine - Methylhippuric(tolur -)acid (all isomers) end of shift)
Ethylbenzene 100-41-4	-	5.2 mmol/L (urine - Mandelic acid after the shift after a working week or exposure period)	- urine (Mandelic acid) - end of shift at end of workweek	250 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of shift) 250 mg/g Creatinine - BAT (end of exposure or end of shift) urine 130 mg/g Creatinine - (end of exposure or end of shift) - urine 250 mg/g Creatinine - (end of exposure or end of shift) - urine 330 mg/g Creatinine - (end of exposure or end of shift) - urine 670 mg/g Creatinine - (end of exposure or end of shift) - urine 1300 mg/g Creatinine - (end of exposure or end of shift) - urine	250 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of shift)
Trimethylbenzene 25551-13-7	-	-	- urine (Total Dimethylbenzoic acids (after hydrolysis)) - end of shift after several shifts	400 mg/g Creatinine - BAT (for long-term exposures: at the end of the shift after several shifts) urine	-
Chemical name	Hungary	Ireland	Italy MDLPS	Italy AIDII	
Xylene 1330-20-7	1500 mg/g Creatinine (urine - Methyl hippuric acid end of shift) 860 µmol/mmol Creatinine (urine - Methyl hippuric acid end of shift)	1.5 g/g Creatinine (urine - Methylhippuric acids end of shift)	-	1.5 g/g Creatinine - urine (Methylhippuric acid) - end of shift	
Ethylbenzene 100-41-4	1500 mg/g Creatinine (urine - Mandelic acid at end of workweek, end of shift) 1110 µmol/mmol Creatinine (urine -	0.7 g/g Creatinine (urine - sum of Mandelic acid and Phenylglyoxylic acid end of shift at end of workweek) 0.7 g (end-exhaled air -	-	0.15 g/g Creatinine - urine (Sum of Mandelic acid and Phenylglyoxylic acid) - end of shift at end of workweek	

Chemical name	Latvia	Luxembourg	Romania	Slovakia
Xylene 1330-20-7	-	-	3 g/L - urine (Methylhippuric acid) - end of shift	1.5 mg/L (blood - Xylene end of exposure or work shift) 2000 mg/L (urine - Methylhippuric acid end of exposure or work shift)
Ethylbenzene 100-41-4	-	-	1.5 g/g Creatinine - urine (Mandelic acid) - end of work week	12 mg/L (urine - 2 and 4-Ethylphenol end of exposure or work shift) 1600 mg/L (urine - Mandelic acid and Phenylglycolic acid end of exposure or work shift)
Chemical name	Slovenia	Spain	Switzerland	United Kingdom
Xylene 1330-20-7	2 g/L - urine (Methylhippuric acid (all isomers)) - at the end of the work shift	1 g/g Creatinine (urine - Methylhippuric acids end of shift)	2 g/L (urine - Methylhippuric acid end of shift)	650 mmol/mol creatinine - urine (Methyl hippuric acid) - post shift
Ethylbenzene 100-41-4	250 mg/g Creatinine - urine (Mandelic acid and Phenylglyoxylic acid) - at the end of the work shift	700 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of workweek)	600 mg/g creatinine (urine - Mandelic acid and Phenylglyoxylacid end of shift)	-
Trimethylbenzene 25551-13-7	400 mg/g Creatinine - urine (Dimethylbenzoic acid (all isomers after hydrolysis)) - at the end of the work shift; for long-term exposure: at the end of the work shift after several consecutive workdays	-	-	-

#### Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Naphtha, petroleum, light alkylate 64741-66-8	-	-	1.9 mg/m <sup>3</sup> [4] [6] 1286.4 mg/m <sup>3</sup> [4] [7] 837.5 mg/m <sup>3</sup> [5] [6] 1066.67 mg/m <sup>3</sup> [5] [7]
Mineral Spirits 8052-41-3	-	80 mg/kg bw/day [4] [6] 30 mg/kg bw/day [4] [7] 7.56 mg/cm <sup>2</sup> [5] [6]	44 mg/m <sup>3</sup> [4] [6] 55 mg/m <sup>3</sup> [4] [7] 44 mg/m <sup>3</sup> [5] [6] 55 mg/m <sup>3</sup> [5] [7]
Xylene 1330-20-7	-	212 mg/kg bw/day [4] [6]	221 mg/m <sup>3</sup> [4] [6] 442 mg/m <sup>3</sup> [4] [7] 221 mg/m <sup>3</sup> [5] [6] 442 mg/m <sup>3</sup> [5] [7]
Tetraisopropyl titanate 546-68-9	-	-	500 mg/m <sup>3</sup> [4] [6]
Ethylbenzene 100-41-4	-	180 mg/kg bw/day [4] [6]	77 mg/m <sup>3</sup> [4] [6] 293 mg/m <sup>3</sup> [5] [7]
2-ethylhexane-1,3-diol	-	76.3 mg/kg bw/day [4] [6]	-

Chemical name	Oral	Dermal	Inhalation
94-96-2		228.9 mg/kg bw/day [4] [7]	
Hexamethyldisiloxane 107-46-0	-	333 mg/kg bw/day [4] [6]	53.4 mg/m <sup>3</sup> [4] [6]

**Notes**

- [4] Systemic health effects.
- [5] Local health effects.
- [6] Long term.
- [7] Short term.

**Derived No Effect Level (DNEL) - General Public**

Chemical name	Oral	Dermal	Inhalation
Naphtha, petroleum, light alkylate 64741-66-8	-	-	0.41 mg/m <sup>3</sup> [4] [6] 1152 mg/m <sup>3</sup> [4] [7] 178.57 mg/m <sup>3</sup> [5] [6] 640 mg/m <sup>3</sup> [5] [7]
Mineral Spirits 8052-41-3	10.56 mg/kg bw/day [4] [6] 50 mg/kg bw/day [4] [7]	60 mg/kg bw/day [4] [6] 60 mg/kg bw/day [4] [7] 3.78 mg/cm <sup>2</sup> [5] [6]	22 mg/m <sup>3</sup> [4] [6] 55 mg/m <sup>3</sup> [4] [7] 22 mg/m <sup>3</sup> [5] [6] 55 mg/m <sup>3</sup> [5] [7]
Xylene 1330-20-7	12.5 mg/kg bw/day [4] [6]	-	65.3 mg/m <sup>3</sup> [4] [6] 260 mg/m <sup>3</sup> [4] [7] 65.3 mg/m <sup>3</sup> [5] [6] 260 mg/m <sup>3</sup> [5] [7]
Ethylbenzene 100-41-4	1.6 mg/kg bw/day [4] [6]	-	15 mg/m <sup>3</sup> [4] [6]
2-ethylhexane-1,3-diol 94-96-2	0.17 mg/kg bw/day [4] [6] 0.51 mg/kg bw/day [4] [7]	114.5 mg/kg bw/day [4] [6] 114.5 mg/kg bw/day [4] [7]	-
Hexamethyldisiloxane 107-46-0	0.27 mg/kg bw/day [4] [6]	-	13.3 mg/m <sup>3</sup> [4] [6]

**Notes**

- [4] Systemic health effects.
- [5] Local health effects.
- [6] Long term.
- [7] Short term.

**Predicted No Effect Concentration (PNEC)**

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Mineral Spirits 8052-41-3	0.14 mg/L	0.014 mg/L	0.35 mg/L	-	10 mg/m <sup>3</sup>
Xylene 1330-20-7	0.327 mg/L	0.327 mg/L	0.327 mg/L	-	-
Tetraisopropyl titanate 546-68-9	0.59 mg/L	5.9 mg/L	0.059 mg/L	-	-
2-ethylhexane-1,3-diol 94-96-2	0.1 mg/L	1 mg/L	0.01 mg/L	-	-
Hexamethyldisiloxane 107-46-0	0.002 mg/L	0.003 mg/L	0.0002 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Mineral Spirits 8052-41-3	1.14 mg/kg sediment dw	0.14 mg/kg sediment dw	-	-	-
Xylene 1330-20-7	12.46 mg/kg sediment dw	12.46 mg/kg sediment dw	6.58 mg/L	2.31 mg/kg soil dw	-
Tetraisopropyl titanate 546-68-9	0.482 mg/kg sediment dw	0.0482 mg/kg sediment dw	105 mg/L	0.112 mg/kg soil dw	-
2-ethylhexane-1,3-diol 94-96-2	1.6 mg/kg sediment dw	0.16 mg/kg sediment dw	3 mg/L	0.17 mg/kg soil dw	3.3 mg/kg food
Hexamethyldisiloxane 107-46-0	8.9 mg/kg sediment dw	0.89 mg/kg sediment dw	10 mg/L	0.083 mg/kg soil dw	5.3 mg/kg food

**8.2. Exposure controls**

**Engineering controls** No information available.

**Personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

**Respiratory protection** Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

**Environmental exposure controls** No information available.

**SECTION 9: Physical and chemical properties**

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

**Physical state** Liquid  
**Appearance** No information available  
**Color** No information available  
**Odor** No information available.  
**Odor threshold** No information available

Property	Values	Remarks • Method
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flammability</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive</b>	No data available	

<b>limits</b>		
<b>Flash point</b>	> -7.77 °C / 18 °F	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>pH</b>	No data available	None known
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Water solubility</b>	No data available	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Vapor pressure</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Bulk density</b>	No data available	
<b>Liquid Density</b>	No data available	
<b>Relative vapor density</b>	No data available	None known
<b>Particle characteristics</b>		
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

## 9.2. Other information

9.2.1. Information with regard to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

**Reactivity** No information available.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** Yes.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

### 10.4. Conditions to avoid

**Conditions to avoid** Heat, flames and sparks. Excessive heat.

### 10.5. Incompatible materials

**Incompatible materials** None known based on information supplied.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None known based on information supplied.

## **SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. Harmful by inhalation. (based on components).
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. May cause irritation.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes mild skin irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Prolonged contact may cause redness and irritation.
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**Acute toxicity** Harmful by inhalation.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	7,578.20 mg/kg
<b>ATEmix (dermal)</b>	2,101.70 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	4.35 mg/l

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Naphtha, petroleum, light alkylate	> 7000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 6.31 mg/L ( Rat ) 4 h
Mineral Spirits	-	> 3000 mg/kg ( Rabbit )	> 5.5 mg/L ( Rat ) 4 h
Xylene	= 3500 mg/kg ( Rat )	> 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h
Ethylbenzene	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.4 mg/L ( Rat ) 4 h
Trimethylbenzene	= 8970 mg/kg ( Rat )	-	-
2-ethylhexane-1,3-diol	= 1400 mg/kg ( Rat )	= 8960 mg/kg ( Rabbit ) = 10251 mg/kg ( Rabbit )	> 3.8 mg/L ( Rat ) 4 h
Ethyltoluene	> 3492 mg/kg ( Rat )  = 6984 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	> 6193 mg/m <sup>3</sup> ( Rat ) 4 h

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes mild skin irritation.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** Contains a known or suspected mutagen. Classification based on data available for ingredients. May cause genetic defects.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Chemical name	European Union
Naphtha, petroleum, light alkylate	Muta. 1B
Mineral Spirits	Muta. 1B
Xylene	Muta. 1B
Ethylbenzene	Muta. 1B
Trimethylbenzene	Muta. 1B
Ethyltoluene	Muta. 1B

**Carcinogenicity** Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Naphtha, petroleum, light alkylate	Carc. 1B
Mineral Spirits	Carc. 1B
Xylene	Carc. 1B
Ethylbenzene	Carc. 1B
Trimethylbenzene	Carc. 1B
Ethyltoluene	Carc. 1B

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

H373 - May cause damage to the following organs through prolonged or repeated exposure: Central nervous system.

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

**11.2. Information on other hazards**

**11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

**11.2.2. Other information**

**Other adverse effects** No information available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

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



Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Naphtha, petroleum, light alkylate	EC50: =30000mg/L (72h, Pseudokirchneriella subcapitata)	-	-	LC50: =2mg/L (48h, Mysisopsis bahia)
Xylene	EC50: =11mg/L (72h, Pseudokirchneriella subcapitata)	LC50: =13.4mg/L (96h, Pimephales promelas) LC50: 2.661 - 4.093mg/L (96h, Oncorhynchus mykiss) LC50: 13.5 - 17.3mg/L (96h, Oncorhynchus mykiss) LC50: 13.1 - 16.5mg/L (96h, Lepomis macrochirus) LC50: =19mg/L (96h, Lepomis macrochirus) LC50: 7.711 - 9.591mg/L (96h, Lepomis macrochirus) LC50: 23.53 - 29.97mg/L (96h, Pimephales promelas) LC50: =780mg/L (96h, Cyprinus carpio) LC50: >780mg/L (96h, Cyprinus carpio) LC50: 30.26 - 40.75mg/L (96h, Poecilia reticulata)	-	EC50: =3.82mg/L (48h, water flea) LC50: =0.6mg/L (48h, Gammarus lacustris)
Ethylbenzene	EC50: =4.6mg/L (72h, Pseudokirchneriella subcapitata) EC50: >438mg/L (96h, Pseudokirchneriella subcapitata) EC50: 2.6 - 11.3mg/L (72h, Pseudokirchneriella subcapitata) EC50: 1.7 - 7.6mg/L (96h, Pseudokirchneriella subcapitata)	LC50: 11.0 - 18.0mg/L (96h, Oncorhynchus mykiss) LC50: =4.2mg/L (96h, Oncorhynchus mykiss) LC50: 7.55 - 11mg/L (96h, Pimephales promelas) LC50: =32mg/L (96h, Lepomis macrochirus) LC50: 9.1 - 15.6mg/L (96h, Pimephales promelas) LC50: =9.6mg/L (96h, Poecilia reticulata)	-	EC50: 1.8 - 2.4mg/L (48h, Daphnia magna)
Trimethylbenzene	-	LC50: =7.72mg/L (96h, Pimephales promelas)	-	-

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

## 12.3. Bioaccumulative potential

**Bioaccumulation**

**Component Information**

Chemical name	Partition coefficient
Mineral Spirits	6.4
Xylene	3.15
Ethylbenzene	3.6
2-ethylhexane-1,3-diol	3.09

**12.4. Mobility in soil**

**Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Naphtha, petroleum, light alkylate	The substance is not PBT / vPvB
Mineral Spirits	The substance is not PBT / vPvB
Xylene	The substance is not PBT / vPvB
Ethylbenzene	The substance is not PBT / vPvB
2-ethylhexane-1,3-diol	The substance is not PBT / vPvB

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**SECTION 14: Transport information**

**IATA**

- 14.1 UN number or ID number 1268
- 14.2 UN proper shipping name Petroleum distillates, n.o.s. (Octanes)
- 14.3 Transport hazard class(es) 3
- 14.4 Packing group II
- 14.5 Environmental hazards Marine Pollutant
- 14.6 Special precautions for user
- Special Provisions None
- ERG Code 128

**IMDG**

- 14.1 UN number or ID number 1268
- 14.2 UN proper shipping name Petroleum distillates, n.o.s. (Octanes)
- 14.3 Transport hazard class(es) 3
- 14.4 Packing group II

- 14.5 Environmental hazards Marine Pollutant
- 14.6 Special precautions for user
  - Special Provisions None
  - EmS-No. F-E, S-E
- 14.7 Maritime transport in bulk according to IMO instruments No information available

**RID**

- 14.1 UN number or ID number 1268
- 14.2 UN proper shipping name Petroleum distillates, n.o.s. (Octanes)
- 14.3 Transport hazard class(es) 3
- 14.4 Packing group II
- 14.5 Environmental hazards Marine Pollutant
- 14.6 Special precautions for user
  - Special Provisions None

**ADR**

- 14.1 UN number or ID number 1268
- 14.2 UN proper shipping name Petroleum distillates, n.o.s. (Octanes)
- 14.3 Transport hazard class(es) 3
- 14.4 Packing group II
- 14.5 Environmental hazards Marine Pollutant
- 14.6 Special precautions for user
  - Special Provisions None

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations**

**France**

**Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number
Mineral Spirits - 8052-41-3	RG 84
Xylene - 1330-20-7	RG 4bis, RG 84
Ethylbenzene - 100-41-4	RG 84

**Netherlands**

**Carcinogenic, mutagenic and reproductive toxic effects**

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Xylene	-	-	Development Category 2

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV

Naphtha, petroleum, light alkylate - 64741-66-8	28 29 75	-
Mineral Spirits - 8052-41-3	28 29 75	-
Xylene - 1330-20-7	75	-
2-ethylhexane-1,3-diol - 94-96-2	75	-

**Persistent Organic Pollutants**

Not applicable

**Dangerous substance category per Seveso Directive (2012/18/EU)**

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

**Named dangerous substances per Seveso Directive (2012/18/EU)**

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Naphtha, petroleum, light alkylate - 64741-66-8	-	25000
Mineral Spirits - 8052-41-3	-	25000

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**International Inventories****TSCA**

Contact supplier for inventory compliance status

**DSL/NDSL**

Contact supplier for inventory compliance status

**EINECS/ELINCS**

Contact supplier for inventory compliance status

**ENCS**

Contact supplier for inventory compliance status

**IECSC**

Contact supplier for inventory compliance status

**KECI**

Contact supplier for inventory compliance status

**PICCS**

Contact supplier for inventory compliance status

**AIIC**

Contact supplier for inventory compliance status

**NZIoC**

Contact supplier for inventory compliance status

**Legend:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AIIC** - Australian Inventory of Industrial Chemicals**NZIoC** - New Zealand Inventory of Chemicals**15.2. Chemical safety assessment****Chemical Safety Report**

No information available

**SECTION 16: Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

- H225 - Highly flammable liquid and vapor
- H226 - Flammable liquid and vapor
- H304 - May be fatal if swallowed and enters airways
- H312 - Harmful in contact with skin
- H315 - Causes skin irritation
- H332 - Harmful if inhaled
- H340 - May cause genetic defects
- H350 - May cause cancer
- H372 - Causes damage to organs through prolonged or repeated exposure
- H373 - May cause damage to organs through prolonged or repeated exposure

**Legend**

- SVHC: Substances of Very High Concern for Authorization:
- PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
- vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
- STOT: Specific Target Organ Toxicity
- ATE: Acute Toxicity Estimate
- LC50: 50% Lethal Concentration
- LD50: 50% Lethal Dose

**Legend Section 8: Exposure controls/personal protection**

- TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
- Ceiling Maximum limit value Sk\* Skin designation
- + Sensitizers

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method
Flammable liquids	On basis of test data

**Key literature references and sources for data used to compile the SDS**

- Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)  
Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

Revision date 21-Nov-2024

**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**

**Disclaimer**

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**End of Safety Data Sheet**