SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 07-Jan-2025 **Revision Number** 2

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

1.1. Product identifier

Safety data sheet number FG-7186

Product Name Universal Mold Release

Other means of identification

Unique Formula Identifier (UFI) XD20-H00M-F00R-K4CX

Pure substance/mixture Mixture

Contains Naphtha, petroleum, light alkylate; 2,2,4-Trimethylpentane; Mineral Spirits

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

Recommended use Mold Release Agent

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier
Smooth-On Inc, 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 10 Italian Poison Centres: Rome +39 06-68593726 / +30 06-49978000 / +39 06-3054343, Foggia +39 800183459, Naples +39 081-5453333, Florenze +39 055-7947819, Pavia +39 0382-24444, Milan +39 02-66101029, Bergamo +39 80088300, Verona +39 800011858
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

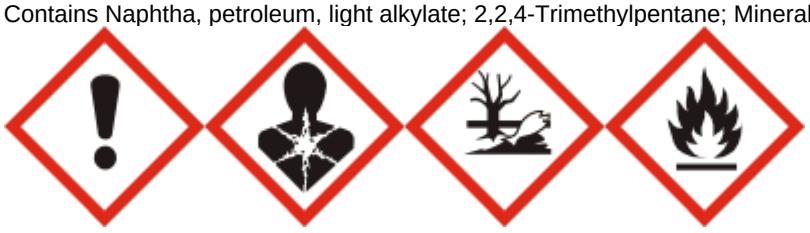
2.1. Classification of the substance or mixture

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

Flammable liquids	Category 2 - (H225)
Skin corrosion/irritation	Category 2 - (H315)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Category 3 Narcotic effects	
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)
Aspiration hazard	Category 1 - (H304)
Hazardous to the aquatic environment - acute	Category 1 - (H400)
Hazardous to the aquatic environment - chronic	Category 1 - (H410)

2.2. Label elements

Contains Naphtha, petroleum, light alkylate; 2,2,4-Trimethylpentane; Mineral Spirits



Signal word
Danger

Hazard statements
H225 - Highly flammable liquid and vapor.
H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.
H336 - May cause drowsiness or dizziness.
H373 - May cause damage to organs through prolonged or repeated exposure.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements - EU (§28, 1272/2008)
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 and spray.
P273 - Avoid release to the environment.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 - Do NOT induce vomiting.
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 - Collect spillage.
P102 - Keep out of reach of children.
P262 - Do not get in eyes, on skin, or on clothing.

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. This product requires child resistant fastenings when supplied to the general public unless the product is placed on the market in the form of aerosols or in a container with a sealed spray attachment. Restricted to professional users.

2.3. Other hazards

May be harmful if swallowed.

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

Hazardous

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Naphtha, petroleum, light alkylate 64741-66-8	80-100	01-2119471305-42-0012	265-068-8 (649-276-00-X)	Asp. Tox. 1 (H304) Muta. 1B (H340) Carc. 1B (H350)	-	-	-	P
2,2,4-Trimethylpentane 540-84-1	80-100	No data available	208-759-1 (601-009-00-8)	Flam. Liq. 2 (H225) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) STOT SE 3 (H336) Aquatic Acute 1 (H400)	-	-	-	C

				Aquatic Chronic 1 (H410)				
Mineral Spirits 8052-41-3	1-5	No data available	232-489-3 (649-345-00-4)	Asp. Tox. 1 (H304) Muta. 1B (H340) Carc. 1B (H350) STOT RE 1 (H372)	-	-	-	P
Xylene 1330-20-7	0.1-1	No data available	215-535-7 (601-022-00-9)	Flam. Liq. 3 (H226) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Acute Tox. 4 (H332)	-	-	-	C
Ethylbenzene 100-41-4	0.1-1	No data available	202-849-4 (601-023-00-4)	Flam. Liq. 2 (H225) Asp. Tox. 1 (H304) Acute Tox. 4 (H332) STOT RE 2 (H373)	-	-	-	-
Trimethylbenzene 25551-13-7	0.1-1	No data available	247-099-9 (649-403-00-9)	Asp. Tox. 1 (H304) Muta. 1B (H340) Carc. 1B (H350)	-	-	-	P
Ethyltoluene 25550-14-5	0.1-1	No data available	247-093-6 (649-403-00-9)	Asp. Tox. 1 (H304) Muta. 1B (H340) Carc. 1B (H350)	-	-	-	P

CLP Notes:

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note P - The harmonized classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0.1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply.

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	2002	No data available	No data available	No data available

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
2,2,4-Trimethylpentane 540-84-1	5000	2002	33.5535	No data available	No data available
Mineral Spirits 8052-41-3	No data available	3003	5.5055	No data available	No data available
Xylene 1330-20-7	3500	4354.35	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
Ethyltoluene 25550-14-5	3492	3163.16	No data available	No data available	No data available

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Inhalation Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. 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.

Eye contact 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.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.

Self-protection of the first aider 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 contact with skin, eyes or clothing.

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

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Effects of Exposure May cause damage to organs through prolonged or repeated exposure.

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

Note to physicians 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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical 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.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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.

Personal precautions 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.

Other information 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. Take off contaminated clothing and wash before reuse. 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. Wear suitable gloves and eye/face protection.

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
2,2,4-Trimethylpentane 540-84-1	-	TWA-TMW: 300 ppm; TWA-TMW: 1400 mg/m³; STEL-KZGW: 1200 ppm (4 X 15 min);	-	-	-

		STEL-KZGW: 5600 mg/m³ (4 X 15 min);			
Mineral Spirits 8052-41-3	-	-	TWA: 100 ppm; TWA: 533 mg/m³;	-	-
Xylene 1330-20-7	TWA: 50 ppm; TWA: 221 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; pSk	TWA-TMW: 50 ppm; TWA-TMW: 221 mg/m³; STEL-KZGW: 100 ppm (4 X 15 min); STEL-KZGW: 442 mg/m³ (4 X 15 min);	TWA: 50 ppm; TWA: 221 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; Sd	TWA: 50 ppm; TWA: 221.0 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; Sk	TWA-GVI: 50 ppm; TWA-GVI: 221 mg/m³; STEL-KGVI: 100 ppm; STEL-KGVI: 442 mg/m³; Sk
Ethylbenzene 100-41-4	TWA: 100 ppm; TWA: 442 mg/m³; STEL: 200 ppm; STEL: 884 mg/m³; pSk	TWA-TMW: 100 ppm; TWA-TMW: 440 mg/m³; STEL-KZGW: 200 ppm (8 X 5 min); STEL-KZGW: 880 mg/m³ (8 X 5 min); Sk	TWA: 20 ppm; TWA: 87 mg/m³; STEL: 125 ppm; STEL: 551 mg/m³; Sd	TWA: 435 mg/m³; STEL: 545 mg/m³; Sk	TWA-GVI: 100 ppm; TWA-GVI: 442 mg/m³; STEL-KGVI: 200 ppm; STEL-KGVI: 884 mg/m³; Sk
Trimethylbenzene 25551-13-7	-	TWA-TMW: 20 ppm; TWA-TMW: 100 mg/m³; STEL-KZGW: 30 ppm (4 X 15 min); STEL-KZGW: 150 mg/m³ (4 X 15 min);	TWA: 20 ppm; TWA: 100 mg/m³;	-	TWA-GVI: 25 ppm; TWA-GVI: 125 mg/m³;

Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
2,2,4-Trimethylpentane 540-84-1	-	-	-	TWA: 200 ppm; TWA: 900 mg/m³; STEL: 300 ppm; STEL: 1400 mg/m³;	TWA: 300 ppm; TWA: 1400 mg/m³; STEL: 380 ppm; STEL: 1800 mg/m³;
Mineral Spirits 8052-41-3	-	TWA: 200 mg/m³; Ceiling: 1000 mg/m³;	TWA: 25 ppm; TWA: 145 mg/m³; STEL: 50 ppm; STEL: 290 mg/m³;	TWA: 50 ppm; TWA: 300 mg/m³; STEL: 100 ppm; STEL: 600 mg/m³;	-
Xylene 1330-20-7	TWA: 50 ppm; TWA: 221 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; pSk	TWA: 200 mg/m³; Ceiling: 400 mg/m³; pSk	TWA: 25 ppm; TWA: 109 mg/m³; STEL: 442 mg/m³; STEL: 100 ppm; pSk	TWA: 50 ppm; TWA: 200 mg/m³; STEL: 100 ppm; STEL: 450 mg/m³; Sk	TWA: 50 ppm; TWA: 220 mg/m³; STEL: 100 ppm; STEL: 440 mg/m³; pSk
Ethylbenzene 100-41-4	TWA: 100 ppm; TWA: 442 mg/m³; STEL: 200 ppm; STEL: 884 mg/m³; pSk	TWA: 200 mg/m³; Ceiling: 500 mg/m³; pSk	TWA: 50 ppm; TWA: 217 mg/m³; STEL: 434 mg/m³; STEL: 100 ppm; pSk	TWA: 100 ppm; TWA: 442 mg/m³; STEL: 200 ppm; STEL: 884 mg/m³; Sk S	TWA: 50 ppm; TWA: 220 mg/m³; STEL: 200 ppm; STEL: 880 mg/m³; pSk
Trimethylbenzene 25551-13-7	-	-	TWA: 20 ppm; TWA: 100 mg/m³; STEL: 40 ppm; STEL: 200 mg/m³;	TWA: 20 ppm; TWA: 100 mg/m³;	TWA: 20 ppm; TWA: 100 mg/m³;

Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
2,2,4-Trimethylpentane 540-84-1	TWA-VME: 1000 mg/m³; vapor STEL-VLCT: 1500 mg/m³; vapor	-	-	-	TWA-AK: 2350 mg/m³; TWA-AK: 500 ppm;
Mineral Spirits 8052-41-3	-	-	-	TWA: 100 ppm; TWA: 575 mg/m³;	-

				STEL: 125 ppm; STEL: 720 mg/m³;	
Xylene 1330-20-7	TWA-VME (restrictif): 50 ppm; TWA-VME (restrictif): 221 mg/m³; STEL-VLCT (restrictif): 100 ppm; STEL-VLCT (restrictif): 442 mg/m³; dSk	TWA-AGW; 50 ppm (exposure factor 2); TWA-AGW; 220 mg/m³ (exposure factor 2); Sk	TWA-MAK: 50 ppm; II(2); TWA-MAK: 220 mg/m³; II(2); Peak: 100 ppm; Peak: 440 mg/m³; Sk	TWA: 100 ppm; TWA: 435 mg/m³; STEL: 150 ppm; STEL: 650 mg/m³; pSk	TWA-AK: 221 mg/m³; TWA-AK: 50 ppm; STEL-CK: 442 mg/m³; STEL-CK: 100 ppm; pSk
Ethylbenzene 100-41-4	TWA-VME (restrictif): 20 ppm; TWA-VME (restrictif): 88.4 mg/m³; STEL-VLCT (restrictif): 100 ppm; STEL-VLCT (restrictif): 442 mg/m³; dSk	TWA-AGW; 20 ppm (exposure factor 2); TWA-AGW; 88 mg/m³ (exposure factor 2); Sk	TWA-MAK: 20 ppm; II(2); TWA-MAK: 88 mg/m³; II(2); Peak: 40 ppm; Peak: 176 mg/m³; Sk	TWA: 100 ppm; TWA: 435 mg/m³; STEL: 125 ppm; STEL: 545 mg/m³;	TWA-AK: 100 ppm; TWA-AK: 442 mg/m³; STEL-CK: 200 ppm; STEL-CK: 884 mg/m³; pSk
Trimethylbenzene 25551-13-7	TWA-VME: 150 mg/m³; vapor TWA-VME: 1000 mg/m³; vapor STEL-VLCT: 1500 mg/m³; vapor	-	TWA-MAK: 20 ppm; II(2); TWA-MAK: 100 mg/m³; II(2); Peak: 40 ppm; Peak: 200 mg/m³;	-	-
Ethyltoluene 25550-14-5	TWA-VME: 150 mg/m³; vapor TWA-VME: 1000 mg/m³; vapor STEL-VLCT: 1500 mg/m³; vapor	-	-	-	-
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
2,2,4-Trimethylpentane 540-84-1	-	-	TWA: 300 ppm; TWA: 1401 mg/m³;	TWA: 100 mg/m³; STEL: 300 mg/m³;	TWA-IPRD: 200 ppm; TWA-IPRD: 900 mg/m³; STEL-TPRD: 300 ppm; STEL-TPRD: 1400 mg/m³;
Mineral Spirits 8052-41-3	TWA: 100 ppm; TWA: 573 mg/m³;	-	TWA: 100 ppm; TWA: 573 mg/m³;	-	TWA-IPRD: 50 ppm; TWA-IPRD: 300 mg/m³; STEL-TPRD: 600 mg/m³; STEL-TPRD: 100 ppm;
Xylene 1330-20-7	TWA: 50 ppm; TWA: 221 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; pSk	TWA: 50 ppm; TWA: 221 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; pSk	TWA: 100 ppm; TWA: 434 mg/m³; STEL (REL): 150 ppm; STEL (REL): 651 mg/m³;	TWA: 50 ppm; TWA: 221 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; pSk	TWA-IPRD: 221 mg/m³; TWA-IPRD: 50 ppm; STEL-TPRD: 442 mg/m³; STEL-TPRD: 100 ppm; Sk
Ethylbenzene 100-41-4	TWA: 100 ppm; TWA: 442 mg/m³; STEL: 200 ppm;	TWA: 100 ppm; TWA: 442 mg/m³; STEL: 200 ppm;	TWA: 20 ppm; TWA: 87 mg/m³;	TWA: 100 ppm; TWA: 442 mg/m³; STEL: 200 ppm;	TWA-IPRD: 100 ppm; TWA-IPRD: 442

	STEL: 884 mg/m³; pSk	STEL: 884 mg/m³; pSk		STEL: 884 mg/m³; pSk	mg/m³; STEL-TPRD: 200 ppm; STEL-TPRD: 884 mg/m³; Sk
Trimethylbenzene 25551-13-7	TWA: 20 ppm; TWA: 100 mg/m³; STEL: 60 ppm (calculated); STEL: 300 mg/m³ (calculated);	-	TWA: 25 ppm; TWA: 123 mg/m³;	-	TWA-IPRD: 20 ppm; TWA-IPRD: 100 mg/m³;
Ethyltoluene 25550-14-5	-	-	-	-	TWA-IPRD: 50 mg/m³;
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
2,2,4-Trimethylpentane 540-84-1	-	-	-	TWA: 40 ppm; TWA: 275 mg/m³; STEL: 60 ppm (higher than Decane;value calculated); STEL: 343.75 mg/m³ (higher than Decane;value calculated);	-
Mineral Spirits 8052-41-3	-	-	-	-	TWA-NDS: 300 mg/m³; STEL-NDSCh: 900 mg/m³;
Xylene 1330-20-7	TWA: 50 ppm; TWA: 221 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; pSk	TWA: 50 ppm; TWA: 221 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; pSk	TWA: 47.5 ppm; TWA: 210 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; Sk	TWA: 25 ppm; TWA: 108 mg/m³; STEL: 37.5 ppm (value calculated); STEL: 135 mg/m³ (value calculated); Sk	TWA-NDS: 100 mg/m³; STEL-NDSCh: 200 mg/m³; Sk
Ethylbenzene 100-41-4	TWA: 100 ppm; TWA: 442 mg/m³; STEL: 200 ppm; STEL: 884 mg/m³; pSk	TWA: 100 ppm; TWA: 442 mg/m³; STEL: 200 ppm; STEL: 884 mg/m³; pSk	TWA: 48.6 ppm; TWA: 215 mg/m³; STEL: 97.3 ppm; STEL: 430 mg/m³; Sk	TWA: 5 ppm; TWA: 20 mg/m³; STEL: 10 ppm (value calculated); STEL: 30 mg/m³ (value calculated); Sk	TWA-NDS: 200 mg/m³; STEL-NDSCh: 400 mg/m³; Sk
Trimethylbenzene 25551-13-7	-	-	TWA: 20 ppm; TWA: 100 mg/m³; STEL: 40 ppm; STEL: 200 mg/m³;	TWA: 20 ppm; TWA: 100 mg/m³; STEL: 150 mg/m³ (value calculated); STEL: 30 ppm (value calculated);	TWA-NDS: 100 mg/m³; STEL-NDSCh: 170 mg/m³; Sk
Ethyltoluene 25550-14-5	-	-	-	-	TWA-NDS: 100 mg/m³;
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
2,2,4-Trimethylpentane	TWA (VLE-MP): 300	TWA: 700 mg/m³;	TWA: 200 ppm;	TWA: 500 ppm;	TWA-(VLA-ED): 300

540-84-1	ppm;	STEL: 1000 mg/m³;	TWA: 900 mg/m³;	TWA: 2400 mg/m³; STEL: 1000 ppm; STEL: 4800 mg/m³;	ppm; TWA-(VLA-ED): 1420 mg/m³;
Mineral Spirits 8052-41-3	TWA (VLE-MP): 100 ppm;	-	-	-	-
Xylene 1330-20-7	TWA (VLE-MP): 50 ppm; TWA (VLE-MP): 221 mg/m³; STEL (VLE-CD): 100 ppm; STEL (VLE-CD): 442 mg/m³; pSk	TWA: 50 ppm; TWA: 221 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; Sk	TWA: 50 ppm; TWA: 221 mg/m³; Ceiling: 442 mg/m³; pSk	TWA: 50 ppm; TWA: 221 mg/m³; STEL: 100 ppm; STEL: 442 mg/m³; pSk	TWA-(VLA-ED): 50 ppm; TWA-(VLA-ED): 221 mg/m³; STEL (VLA-EC): 100 ppm; STEL (VLA-EC): 442 mg/m³; pSk
Ethylbenzene 100-41-4	TWA (VLE-MP): 100 ppm; TWA (VLE-MP): 442 mg/m³; STEL (VLE-CD): 200 ppm; STEL (VLE-CD): 884 mg/m³; pSk	TWA: 100 ppm; TWA: 442 mg/m³; STEL: 200 ppm; STEL: 884 mg/m³; Sk	TWA: 100 ppm; TWA: 442 mg/m³; Ceiling: 884 mg/m³; pSk	TWA: 100 ppm; TWA: 442 mg/m³; STEL: 200 ppm; STEL: 884 mg/m³; pSk	TWA-(VLA-ED): 100 ppm; TWA-(VLA-ED): 441 mg/m³; STEL (VLA-EC): 200 ppm; STEL (VLA-EC): 884 mg/m³; pSk
Trimethylbenzene 25551-13-7	TWA (VLE-MP): 25 ppm;	-	-	-	-

Chemical name	Sweden	Switzerland	United Kingdom
2,2,4-Trimethylpentane 540-84-1	TLV-NGV: 200 ppm; TLV-NGV: 900 mg/m³; TLV-NGV: 350 mg/m³; vapor STEL (Vägledande KGV): 300 ppm; STEL (Vägledande KGV): 1400 mg/m³; STEL (Vägledande KGV): 500 mg/m³;	TWA-MAK: 100 ppm; TWA-MAK: 470 mg/m³; STEL-KZGW: 200 ppm; STEL-KZGW: 940 mg/m³;	-
Mineral Spirits 8052-41-3	TLV-NGV: 300 mg/m³; TLV-NGV: 50 ppm; TLV-NGV: 175 mg/m³; TLV-NGV: 30 ppm; STEL (Vägledande KGV): 100 ppm; STEL (Vägledande KGV): 600 mg/m³; STEL (Vägledande KGV): 60 ppm; STEL (Vägledande KGV): 350 mg/m³; Sk	-	-
Xylene 1330-20-7	TLV-NGV: 50 ppm; TLV-NGV: 221 mg/m³; STEL (Bindande KGV): 100 ppm; STEL (Bindande KGV): 442 mg/m³; Sk	TWA-MAK: 50 ppm; TWA-MAK: 220 mg/m³; STEL-KZGW: 100 ppm; STEL-KZGW: 440 mg/m³; Sk	TWA: 50 ppm; TWA: 220 mg/m³; STEL: 100 ppm; STEL: 441 mg/m³; pSk
Ethylbenzene 100-41-4	TLV-NGV: 50 ppm; TLV-NGV: 220 mg/m³; STEL (Bindande KGV): 200 ppm; STEL (Bindande KGV): 884	TWA-MAK: 50 ppm; TWA-MAK: 220 mg/m³; STEL-KZGW: 50 ppm; STEL-KZGW: 220 mg/m³; Sk	TWA: 100 ppm; TWA: 441 mg/m³; STEL: 125 ppm; STEL: 552 mg/m³; pSk

	mg/m³; Sk		
Trimethylbenzene 25551-13-7	TLV-NGV: 20 ppm; TLV-NGV: 100 mg/m³; STEL (Bindande KGV): 35 ppm; STEL (Bindande KGV): 170 mg/m³;	TWA-MAK: 20 ppm; TWA-MAK: 100 mg/m³; STEL-KZGW: 40 ppm; STEL-KZGW: 200 mg/m³;	TWA: 25 ppm; TWA: 125 mg/m³; STEL: 75 ppm; STEL: 375 mg/m³;

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Xylene 1330-20-7	-	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; at chronic exposure in the middle of the working week	-

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	2000 mg/L (urine - Methylhippuric(tolur-)acid (all isomers) end of exposure or shift) 1800 mg/g Creatinine - BAT (end of exposure or end of shift) urine	2000 mg/L (urine - Methylhippuric(tolur-)acid (all isomers) end of exposure or 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 exposure or shift) 250 mg/g Creatinine - BAT (end of exposure or end of shift) urine	250 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of exposure or shift)

				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	
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 - Mandelic acid at end of workweek, end of shift)	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 - not critical)	-	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	2000 mg/L - urine (Methylhippuric acid) - at the end of exposure or shift	-	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 acid phenylglyoxyl end of exposure or work shift)

Chemical name	Slovenia	Spain	Switzerland	United Kingdom
Xylene	2 g/L - urine	1 g/g Creatinine (urine -	2 g/L (urine -	650 mmol/mol creatinine

1330-20-7	(Methylhipuric acid (all isomers)) - at the end of the work shift	Methylhippuric acids end of shift)	Methylhippuric acid end of shift)	- 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
2,2,4-Trimethylpentane 540-84-1	-	773 mg/kg bw/day [4] [6]	2035 mg/m³ [4] [6]
Mineral Spirits 8052-41-3	-	80 mg/kg bw/day [4] [6] 30 mg/kg bw/day [4] [7] 7.56 mg/cm2 [5] [6]	44 mg/m³ [4] [6] 55 mg/m³ [4] [7] 44 mg/m³ [5] [6] 55 mg/m³ [5] [7]
Ethylbenzene 100-41-4	-	180 mg/kg bw/day [4] [6]	77 mg/m³ [4] [6] 293 mg/m³ [5] [7]

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
2,2,4-Trimethylpentane 540-84-1	699 mg/kg bw/day [4] [6]	-	608 mg/m³ [4] [6]
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/cm2 [5] [6]	22 mg/m³ [4] [6] 55 mg/m³ [4] [7] 22 mg/m³ [5] [6] 55 mg/m³ [5] [7]
Ethylbenzene 100-41-4	1.6 mg/kg bw/day [4] [6]	-	15 mg/m³ [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^3
Ethylbenzene 100-41-4	0.02 g/kg food 0.1 mg/L	0.1 mg/L	0.02 g/kg food 0.01 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Methyltrimethoxysilane 1185-55-3	0.73 mg/kg sediment dw	0.073 mg/kg sediment dw	-	0.03 mg/kg soil dw	-
Mineral Spirits 8052-41-3	1.14 mg/kg sediment dw	0.14 mg/kg sediment dw	-	-	-
Ethylbenzene 100-41-4	13.7 mg/kg sediment dw	1.37 mg/kg sediment dw	9.6 mg/L	2.68 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

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

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Antistatic boots. Chemical resistant apron. Wear fire/flame resistant/retardant clothing.

Respiratory protection Use appropriate respiratory protection.

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. Wear suitable gloves and eye/face protection.

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 Liquid
Color clear
Odor Mild petroleum / solvent.
Odor threshold No information available

Property	Values		Remarks • Method
Melting point / freezing point	No data available		None known
Initial boiling point and boiling range	97.78 °C / 208 °F	104.44 °C / 220 °F	None known
Flammability	No data available		None known

Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	> -7.78 °C / 18 °F	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	< 100 Centipoise	None known
Water solubility	Negligible	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapor pressure	No data available	None known
Relative density	0.7 - 0.9	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapor density	~4	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not applicable

Lower and upper explosion limit/flammability limit	0.9 / 6.3 (approximate)

9.2.2. Other safety characteristics

No information available ~ 3.8

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.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

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

Inhalation 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. May cause drowsiness or dizziness.

Eye contact Specific test data for the substance or mixture is not available. May cause irritation.

Skin contact Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

Ingestion 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. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral) 3,512.20 mg/kg

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
2,2,4-Trimethylpentane	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 33.52 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)	-	-
Ethyltoluene	> 3492 mg/kg (Rat) = 6984 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	> 6193 mg/m^3 (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 skin irritation.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

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 No information available.

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 May cause drowsiness or dizziness.

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 Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Naphtha, petroleum, light alkylate	EC50: =30000mg/L (72h, Pseudokirchneriella subcapitata)	-	-	LC50: =2mg/L (48h, Mysidopsis bahia)
2,2,4-Trimethylpentane	-	-	-	EC50: =0.02856mg/L (48h, Daphnia magna)
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

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	Not PBT/vPvB
2,2,4-Trimethylpentane	Not PBT/vPvB
Mineral Spirits	Not PBT/vPvB
Xylene	Not PBT/vPvB
Ethylbenzene	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 UN1866
14.2 UN proper shipping name Resin Solution
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

IMDG

14.1 UN number or ID number	UN1866
14.2 UN proper shipping name	Resin Solution
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
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	Resin Solution
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	UN1866
14.2 UN proper shipping name	Resin Solution
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

Germany

Water hazard class (WGK) strongly hazardous to water (WGK 3)

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	-
2,2,4-Trimethylpentane - 540-84-1	75	-
Mineral Spirits - 8052-41-3	28 29 75	-
Xylene - 1330-20-7	75	-

Persistent Organic Pollutants

Not applicable

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

P5a - FLAMMABLE LIQUIDS
P5b - FLAMMABLE LIQUIDS
P5c - FLAMMABLE LIQUIDS
E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

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 (EU) 2024/590

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
KECL	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 Chemicals Inventory
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 any hazard and/or precautionary statements referred to under Sections 2-15
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
H336 - May cause drowsiness or dizziness
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
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

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
Chronic aquatic toxicity	Calculation method
Acute aquatic toxicity	Calculation method

Aspiration hazard	Calculation method
Ozone	Calculation method
Flammable liquids	Calculation method

Key literature references and sources for data used to compile the SDS
U.S. 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)
U.S. 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)
Japan 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)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

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