

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7080 M8 Acryfill, grey**

Creation date: **15.11.2022**, Revision: **24.11.2023**, Version: **5.0**

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

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### 1.1 Product identifier

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**Product name**

7080 M8 Acryfill, grey

**UFI:**

9VG5-M1QP-MK6Y-U3A4



<https://my.chemius.net/p/rMXVva/en/pd/en>

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

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**Relevant identified uses**

No information.

**Uses advised against**

No information.

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

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**Supplier**

SILCO d.o.o.  
Sentrupert 5a  
3303 Gomilsko, Slovenia  
+386 3 703 3180  
msds@silco.si

### 1.4 Emergency Telephone Number

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**Emergency**

112

**Supplier**

112

## Section 2: Hazards identification

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### 2.1 Classification of the substance or mixture

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**Classification according to Regulation (EC) No 1272/2008 (CLP)**

Flam. Liq. 3; H226 Flammable liquid and vapour.

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.

Skin Irrit. 2; H315 Causes skin irritation.

Eye Irrit. 2; H319 Causes serious eye irritation.

STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.

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***silco***<sup>®</sup>

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## 2.2 Label elements

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



**Signal word: WARNING**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with national regulation.

**Contains:**

xylene

## 2.3 Other hazards

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**PBT/vPvB**

No information.

**Endocrine disrupting properties**

The product does not contain substances with the potential for endocrine disorders.

**Additional information**

No information.

## Section 3: Composition/information on ingredients

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### 3.1 Substances

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For mixtures see 3.2.

### 3.2 Mixtures

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Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits
<b>Barium sulfate</b>	7727-43-7 231-784-4 -	30-33	/	/
<b>reaction mass of ethyl benzene and m-xylene and p-xylene</b>	- 905-562-9 -	15-18	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373	/
<b>calcium carbonate</b>	1317-65-3 - -	10-15	/	/
<b>Talc (Mg3H2(SiO3)4)</b>	14807-96-6 238-877-9 -	5-10	/	/
<b>titanium dioxide</b>	13463-67-7 236-675-5 - 01-2119489379-17	0-10	/	/
<b>n-butyl acetate</b>	123-86-4 204-658-1 607-025-00-1	5-10	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066	/
<b>xylene</b>	1330-20-7 215-535-7 601-022-00-9	2.5-5	Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332	/
<b>triiron tetraoxide</b>	1317-61-9 215-277-5 - 01-2119457646-28	0,3-3	/	/

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Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits
<b>2-Hidroksipropilmetakrilat</b>	27813-02-1 248-666-3 -	0.1-1	Skin Sens. 1; H317 Eye Irrit. 2; H319	/
<b>dibutyltin dilaurate</b>	77-58-7 201-039-8 050-030-00-3	0.1-1	Muta. 2; H341 Repr. 1B; H360FD STOT RE 1; H372	/
<b>styrene</b>	100-42-5 202-851-5 601-026-00-0 01-2119457861-32	0.01-0.1	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 Repr. 2; H361 STOT RE 1; H372 Aquatic Chronic 3; H412	/

## Notes for substances

- 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.

## Section 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. When it is suspected, that there may still be harmful vapours/fumes present in the air, respiratory protection (mask; self contained breathing apparatus) must be used. Wash contaminated clothing with water before removing or use gloves.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

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## **Following skin contact**

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. Consult a physician.

## **Following eye contact**

Immediately flush eyes with running water, keeping eyelids apart. Seek medical help.

## **Following ingestion**

Do not induce vomiting! Aspiration hazard if swallowed. Can enter lungs and cause damage. If vomiting occurs, the patient should hold the head lower than the hips, because it reduces the possibility of aspiration. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

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

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### **Following inhalation**

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

### **Following skin contact**

Itching, redness, pain. May cause sensitisation by skin contact (itching, redness, rashes).

### **Following eye contact**

Redness, tearing, pain.

### **Following ingestion**

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area. Aspiration into the lungs causes coughing, shortness of breath and may lead to chemical pneumonia.

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

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Treat symptomatically. After the product has been ingested vomiting can cause aspiration into the lungs. Because of the risk of aspiration, induction of vomiting and gastric lavage should be avoided.

## **Section 5: Firefighting measures**

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### **5.1 Extinguishing media**

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#### **Suitable extinguishing media**

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

#### **Unsuitable extinguishing media**

Full water jet.

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

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#### **Hazardous combustion products**

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

### **5.3 Advice for firefighters**

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#### **Protective actions**

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In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Prolonged heating can cause an explosion. Vapours can form explosive mixtures with air. Cool containers at risk with water spray. If possible remove containers from endangered area.

#### **Special protective equipment for fire-fighters**

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

#### **Additional information**

No information.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

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#### **For non-emergency personnel**

##### **Protective equipment**

No information.

##### **Precautionary measures**

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

##### **Emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

##### **For emergency responders**

Use personal protective equipment.

### **6.2 Environmental precautions**

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Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

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

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#### **For containment**

Stem the spill if this does not pose risks.

#### **For cleaning up**

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use only explosion-proof instruments and equipment. Use spark-proof tools. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

#### **Other information**

No information.

### **6.4 Reference to other sections**

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See also sections 8 and 13.

## **Section 7: Handling and storage**

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## 7.1 Precautions for safe handling

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### Protective measures

#### Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air.

#### Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

#### Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

#### Other measures

No information.

#### Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

## 7.2 Conditions for safe storage, including any incompatibilities

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### Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Protect from open fire. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Keep away from sources of ignition - no smoking.

### Packaging materials

Store only in original container.

### Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

### Storage class

No information.

### Further information on storage conditions

No information.

## 7.3 Specific end use(s)

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### Recommendations

No information.

### Industrial sector specific solutions

No information.

## Section 8: Exposure controls/personal protection

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### 8.1 Control parameters

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#### Occupational Exposure limit values

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Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
<b>Barium sulfate</b>	/	/	/	/	/	/
<b>Styrene (100-42-5)</b>	430	100	1080	250	/	/
<b>Xylene, o-,m-,p - or mixed isomers (1330-20-7)</b>	220	50	441	100	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift 650 mmol methyl hippuric acid/mol creatinine in urine - Post shift 650 mmol methyl hippuric acid/mol creatinine in urine - Post shift
<b>Barium sulphate inhalable dust (7727-43-7)</b>	10	/	/	/	/	/
<b>Barium sulphate respirable dust (7727-43-7)</b>	4	/	/	/	/	/
<b>Butyl acetate (123-86-4)</b>	724	150	966	200	/	/



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<b>Calcium carbonate inhalable dust (1317-65-3)</b>	10	/	/	/	/	/
<b>Calcium carbonate respirable (1317-65-3)</b>	4	/	/	/	/	/
<b>Limestone respirable (1317-65-3)</b>	4	/	/	/	/	/
<b>Limestone total inhalable (1317-65-3)</b>	10	/	/	/	/	/
<b>Marble respirable (1317-65-3)</b>	4	/	/	/	/	/
<b>Marble total inhalable (1317-65-3)</b>	10	/	/	/	/	/
<b>n-Butyl acrylate (141-32-2)</b>	5	1	26	5	/	/
<b>Talc, respirable dust (14807-96-6)</b>	1	/	/	/	/	/

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Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
<b>Titanium dioxide respirable (13463-67-7)</b>	4	/	/	/	/	/
<b>Titanium dioxide total inhalable (13463-67-7)</b>	10	/	/	/	/	/

## Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

## DNEL/DMEL values

### For product

No information.

### For components

Name	Type	Exposure route	exp. frequency	Remark	value
<b>Barium sulfate</b>	Worker	inhalation	long term systemic effects	/	10 mg/m <sup>3</sup>
<b>Barium sulfate</b>	Worker	inhalation	long term local effects	/	10 mg/m <sup>3</sup>
<b>Barium sulfate</b>	Consumer	inhalation	long term systemic effects	/	10 mg/m <sup>3</sup>
<b>Barium sulfate</b>	Consumer	oral	long term systemic effects	/	13000 mg/kg bw/day
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Worker	inhalation	long term systemic effects	/	221 mg/m <sup>3</sup>

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Name	Type	Exposure route	exp. frequency	Remark	value
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Worker	inhalation	short term systemic effects	/	442 mg/m <sup>3</sup>
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Worker	inhalation	long term local effects	/	221 mg/m <sup>3</sup>
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Worker	inhalation	short term local effects	/	442 mg/m <sup>3</sup>
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Worker	dermal	long term systemic effects	/	212 mg/kg bw/day
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Consumer	inhalation	long term systemic effects	/	65.3 mg/m <sup>3</sup>
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Consumer	inhalation	short term systemic effects	/	260 mg/m <sup>3</sup>
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Consumer	inhalation	long term local effects	/	65.3 mg/m <sup>3</sup>
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Consumer	inhalation	short term local effects	/	260 mg/m <sup>3</sup>
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Consumer	dermal	long term systemic effects	/	125 mg/kg bw/day

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Name	Type	Exposure route	exp. frequency	Remark	value
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Consumer	oral	long term systemic effects	/	12.5 mg/kg bw/day
<b>styrene</b>	Worker	inhalation	long term systemic effects	/	85 mg/m <sup>3</sup>
<b>styrene</b>	Worker	inhalation	short term systemic effects	/	289 mg/m <sup>3</sup>
<b>styrene</b>	Worker	inhalation	short term local effects	/	306 mg/m <sup>3</sup>
<b>styrene</b>	Worker	dermal	long term systemic effects	/	406 mg/kg bw/day
<b>styrene</b>	Consumer	inhalation	long term systemic effects	/	10.2 mg/m <sup>3</sup>
<b>styrene</b>	Consumer	inhalation	short term systemic effects	/	174.25 mg/m <sup>3</sup>
<b>styrene</b>	Consumer	inhalation	short term local effects	/	182.75 mg/m <sup>3</sup>
<b>styrene</b>	Consumer	dermal	long term systemic effects	/	343 mg/kg bw/day
<b>styrene</b>	Consumer	oral	long term systemic effects	/	2.1 mg/kg bw/day
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Worker	inhalation	long term systemic effects	/	2.16 mg/m <sup>3</sup>
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Worker	inhalation	short term systemic effects	/	2.16 mg/m <sup>3</sup>
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Worker	inhalation	long term local effects	/	3.6 mg/m <sup>3</sup>
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Worker	inhalation	short term local effects	/	3.6 mg/m <sup>3</sup>

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<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Worker	dermal	long term systemic effects	/	43.2 mg/kg bw/day
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Worker	dermal	long term local effects	/	4.54 mg/cm <sup>2</sup>
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Consumer	inhalation	long term systemic effects	/	1.08 mg/m <sup>3</sup>
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Consumer	inhalation	short term systemic effects	/	1.08 mg/m <sup>3</sup>
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Consumer	inhalation	long term local effects	/	1.8 mg/m <sup>3</sup>
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Consumer	inhalation	short term local effects	/	1.8 mg/m <sup>3</sup>
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Consumer	dermal	long term systemic effects	/	21.6 mg/kg bw/day
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Consumer	dermal	long term local effects	/	2.27 mg/cm <sup>2</sup>
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Consumer	oral	long term systemic effects	/	160 mg/kg bw/day
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Consumer	oral	short term systemic effects	/	160 mg/kg bw/day
<b>xylene</b>	Worker	inhalation	long term systemic effects	/	221 mg/m <sup>3</sup>
<b>xylene</b>	Worker	inhalation	short term systemic effects	/	442 mg/m <sup>3</sup>
<b>xylene</b>	Worker	inhalation	long term local effects	/	221 mg/m <sup>3</sup>
<b>xylene</b>	Worker	inhalation	short term local effects	/	442 mg/m <sup>3</sup>
<b>xylene</b>	Worker	dermal	long term systemic effects	/	212 mg/kg bw/day

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<b>xylene</b>	Consumer	inhalation	long term systemic effects	/	65.3 mg/m <sup>3</sup>
<b>xylene</b>	Consumer	inhalation	short term systemic effects	/	260 mg/m <sup>3</sup>
<b>xylene</b>	Consumer	inhalation	long term local effects	/	65.3 mg/m <sup>3</sup>
<b>xylene</b>	Consumer	inhalation	short term local effects	/	260 mg/m <sup>3</sup>
<b>xylene</b>	Consumer	dermal	long term systemic effects	/	125 mg/kg bw/day
<b>xylene</b>	Consumer	oral	long term systemic effects	/	12.5 mg/kg bw/day
<b>n-butyl acetate</b>	Worker	inhalation	long term systemic effects	/	300 mg/m <sup>3</sup>
<b>n-butyl acetate</b>	Worker	inhalation	short term systemic effects	/	600 mg/m <sup>3</sup>
<b>n-butyl acetate</b>	Worker	inhalation	long term local effects	/	300 mg/m <sup>3</sup>
<b>n-butyl acetate</b>	Worker	inhalation	short term local effects	/	600 mg/m <sup>3</sup>
<b>n-butyl acetate</b>	Worker	dermal	long term systemic effects	/	11 mg/kg bw/day
<b>n-butyl acetate</b>	Worker	dermal	short term systemic effects	/	11 mg/kg bw/day
<b>n-butyl acetate</b>	Consumer	inhalation	long term systemic effects	/	35.7 mg/m <sup>3</sup>
<b>n-butyl acetate</b>	Consumer	inhalation	short term systemic effects	/	300 mg/m <sup>3</sup>
<b>n-butyl acetate</b>	Consumer	inhalation	long term local effects	/	35.7 mg/m <sup>3</sup>
<b>n-butyl acetate</b>	Consumer	inhalation	short term local effects	/	300 mg/m <sup>3</sup>

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<b>n-butyl acetate</b>	Consumer	dermal	long term systemic effects	/	6 mg/kg bw/day
<b>n-butyl acetate</b>	Consumer	dermal	short term systemic effects	/	6 mg/kg bw/day
<b>n-butyl acetate</b>	Consumer	oral	long term systemic effects	/	2 mg/kg bw/day
<b>n-butyl acetate</b>	Consumer	oral	short term systemic effects	/	2 mg/kg bw/day

## PNEC values

### For product

No information.

### For components

Name	Exposure route	Remark	value
<b>Barium sulfate</b>	fresh water	/	115 µg/l
<b>Barium sulfate</b>	water treatment plant	/	62.2 mg/L
<b>Barium sulfate</b>	fresh water sediment	dry weight	600.4 mg/kg
<b>Barium sulfate</b>	soil	dry weight	207.7 mg/kg
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	fresh water	/	0.327 mg/L
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	water, intermittent release	/	0.327 mg/L
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	marine water	/	0.327 mg/L
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	water treatment plant	/	6.58 mg/L
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	fresh water sediment	dry weight	12.46 mg/kg
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	marine water sediment	dry weight	12.46 mg/kg

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Name	Exposure route	Remark	value
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	soil	dry weight	2.31 mg/kg
<b>styrene</b>	fresh water	/	0.028 mg/L
<b>styrene</b>	water, intermittent release	/	0.04 mg/L
<b>styrene</b>	marine water	/	0.014 mg/L
<b>styrene</b>	water treatment plant	/	5 mg/L
<b>styrene</b>	fresh water sediment	dry weight	0.614 mg/kg
<b>styrene</b>	marine water sediment	dry weight	0.307 mg/kg
<b>styrene</b>	soil	dry weight	0.2 mg/kg
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	fresh water	/	597.97 mg/L
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	water, intermittent release	/	597.97 mg/L
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	marine water	/	141.26 mg/L
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	water, marine, intermittent release	/	141.26 mg/L
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	fresh water sediment	dry weight	31.33 mg/kg
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	marine water sediment	dry weight	3.13 mg/kg
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	{p:47998}	/	10 mg/m <sup>3</sup>
<b>xylene</b>	fresh water	/	0.327 mg/L
<b>xylene</b>	water, intermittent release	/	0.327 mg/L
<b>xylene</b>	marine water	/	0.327 mg/L
<b>xylene</b>	water treatment plant	/	6.58 mg/L
<b>xylene</b>	fresh water sediment	dry weight	12.46 mg/kg
<b>xylene</b>	marine water sediment	dry weight	12.46 mg/kg
<b>xylene</b>	soil	dry weight	2.31 mg/kg
<b>n-butyl acetate</b>	fresh water	/	0.18 mg/L
<b>n-butyl acetate</b>	water, intermittent release	/	0.36 mg/L
<b>n-butyl acetate</b>	marine water	/	0.018 mg/L
<b>n-butyl acetate</b>	water treatment plant	/	35.6 mg/L
<b>n-butyl acetate</b>	fresh water sediment	dry weight	0.981 mg/kg
<b>n-butyl acetate</b>	marine water sediment	dry weight	0.098 mg/kg
<b>n-butyl acetate</b>	soil	dry weight	0.09 mg/kg

## 8.2 Exposure controls

Appropriate engineering control



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## **Substance/mixture related measures to prevent exposure during identified uses**

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

## **Structural measures to prevent exposure**

No information.

## **Organisational measures to prevent exposure**

Remove all contaminated clothes immediately and wash them before reuse.

## **Technical measures to prevent exposure**

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

## **Personal protective equipment**

### **Eye and face protection**

Safety glasses with side protection (BS EN ISO 16321-1:2022).

### **Hand protection**

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

## **Appropriate materials**

### **Skin protection**

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2012). At high risk of skin exposure chemical suits (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO 20345:2022).

### **Respiratory protection**

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

### **Thermal hazards**

No information.

## **Environmental exposure controls**

### **Substance/mixture related measures to prevent exposure**

No information.

### **Instruction measures to prevent exposure**

No information.

### **Organisational measures to prevent exposure**

No information.

### **Technical measures to prevent exposure**

Do not allow product to reach drains, sewage systems or ground water.

## **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

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## Physical state

liquid

## Colour

gray black white

## Odour

No information.

## Important health, safety and environmental information

Odour threshold	No information.
Melting point/Freezing point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	> 23 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	substance/mixture is non-soluble (in water) (Does not apply)
Viscosity	No information.
Solubility	No information.
Partition coefficient	No information.
Vapour pressure	No information.
Density and/or relative density	1.65 kg/L
Relative vapour density	No information.
Particle characteristics	No information.

## 9.2 Other information

Weight organic solvents	320 g/l (VOC (CH)) 540 g/l (VOC (RFU))
Explosive properties	No information.

## Section 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No information.

### 10.2 Chemical stability

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Product is stable under normal conditions of use, recommended handling and storage conditions.

## 10.3 Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

## 10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

## 10.5 Incompatible materials

Oxidants.

## 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

## Section 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### (a) Acute toxicity

##### For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
Barium sulfate	oral	LD <sub>50</sub>	rat (male)	/	307 - 364 g/kg	OECD 401	/
Barium sulfate	dermal	LD <sub>50</sub>	rat	/	> 2000 mg/kg bw	OECD 402	/
2-Hidroksipropilmetakrilat	oral	LD <sub>50</sub>	rat	/	> 4000 mg/kg	/	/
2-Hidroksipropilmetakrilat	dermal	LD <sub>50</sub>	rabbit	/	> 5000 mg/kg	/	/
titanium dioxide	oral	LD <sub>50</sub>	rat	/	> 10000 mg/kg	/	/
titanium dioxide	dermal	LD <sub>50</sub>	rabbit	/	> 10000 mg/kg	/	/

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Name	Exposure route	Type	Species	Time	value	Method	Remark
<b>titanium dioxide</b>	inhalation (dusts/mists)	LC <sub>50</sub>	rat	4 h	> 6.82 mg/l	/	/
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	oral	LD <sub>50</sub>	mouse	/	5627 mg/kg	/	/
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	dermal	LD <sub>50</sub>	rabbit	/	> 5000 mg/kg	/	/
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	inhalation	LC <sub>50</sub>	rat	/	6700 ppm	/	/
<b>n-butyl acrylate</b>	oral	LD <sub>50</sub>	rat	/	3140 mg/kg	/	/
<b>n-butyl acrylate</b>	dermal	LD <sub>50</sub>	rabbit	/	1800 mg/kg	/	/
<b>n-butyl acrylate</b>	inhalation	LC <sub>50</sub>	rat	4 h	10.3 - 11.9 mg/l	/	dust/aerosol
<b>styrene</b>	oral	LD <sub>50</sub>	rat	/	5000 mg/kg	/	/
<b>styrene</b>	dermal	LD <sub>50</sub>	rat	/	> 2000 mg/kg	OECD 402	/
<b>styrene</b>	inhalation	LC <sub>50</sub>	rat	4 h	11.8 mg/l	/	/
<b>Dolomit</b>	oral	LD <sub>50</sub>	rat	/	> 2000 mg/kg	/	/
<b>Dolomit</b>	dermal	LD <sub>50</sub>	rat	/	> 2000 mg/kg	/	/
<b>xylene</b>	oral	LD <sub>50</sub>	rat	/	> 3523 mg/kg	/	/
<b>xylene</b>	dermal	LD <sub>50</sub>	rabbit	/	4200 mg/kg	/	/
<b>xylene</b>	inhalation (vapours)	LC <sub>50</sub>	rat	4 h	29 mg/l	/	/
<b>n-butyl acetate</b>	dermal	LD <sub>50</sub>	rabbit	/	5000 mg/kg	/	/
<b>n-butyl acetate</b>	inhalation	LC <sub>50</sub>	rat	4 h	9.6 - 29.2 mg/l	/	dust/aerosol

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Name	Exposure route	Type	Species	Time	value	Method	Remark
<b>n-butyl acetate</b>	oral	LD <sub>50</sub>	rat	/	4700 mg/kg	/	/

## Additional information

The product is not classified as acutely toxic.

## (b) Skin corrosion/irritation

### For components

Name	Species	Time	result	Method	Remark
<b>2-Hidroksipropilmetakrilat</b>	/	/	not irritating	/	/
<b>titanium dioxide</b>	rabbit	/	Non-irritant.	/	/

## Additional information

Causes skin and eye irritation.

## (c) Serious eye damage/irritation

### For components

Name	Exposure route	Species	Time	result	Method	Remark
<b>2-Hidroksipropilmetakrilat</b>	/	rabbit	/	Moderately irritating.	/	/
<b>titanium dioxide</b>	/	rabbit	/	Non-irritant.	/	/

## (d) Respiratory or skin sensitisation

### For components

Name	Exposure route	Species	Time	result	Method	Remark
<b>2-Hidroksipropilmetakrilat</b>	dermal	human	/	Sensitizing.	/	/
<b>titanium dioxide</b>	dermal	human and animal	/	Non sensitising.	/	/

## Additional information

It contains at least one ingredient that can cause sensitisation. Can cause allergic reaction.

May cause an allergic skin reaction.

## (e) (Germ cell) mutagenicity

### For components

Name	Type	Species	Time	result	Method	Remark
<b>2-Hidroksipropilmetakrilat</b>	/	/	/	No evidence of mutagenicity.	/	/
<b>titanium dioxide</b>	in-vitro mutagenicity	/	/	Non-mutagenic.	/	/

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## (f) Carcinogenicity

### For components

Name	Exposure route	Type	Species	Time	value	result	Method	Remark
<b>2-Hidroksipropilmetakrilat</b>	/	/	/	/	/	There is no evidence of carcinogenic effects.	/	/
<b>titanium dioxide</b>	/	/	/	/	/	IARC 2B: Possibly carcinogenic to humans.	/	/
<b>titanium dioxide</b>	oral	-	Multiple animal species	/	/	Not carcinogenic.	/	/
<b>titanium dioxide</b>	inhalation	-	rat	/	/	carcinogenic	/	/
<b>styrene</b>	inhalation (vapours)	NOAEL	rat	/	4.34 mg/l	/	OECD 453	5 days per week, 6 h per day

## (g) Reproductive toxicity

### For components

Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
<b>2-Hidroksipropilmetakrilat</b>	/	/	/	/	/	There is no evidence of toxicity to reproduction or teratogenic effects.	/	/
<b>styrene</b>	Effect on fertility	NOAEL (parents)	rat	/	0.65 - 2.2 mg/L	/	OECD 416	Inhalation (vapour)
<b>styrene</b>	Effect on fertility	NOAEL (F2)	rat	/	0.22 mg/L	/	OECD 416	Inhalation (vapour)

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Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
<b>styrene</b>	Developmental toxicity	NOEL	rat	/	2.6 mg/L	/	/	Inhalation
<b>styrene</b>	Teratogenicity	NOEL	rat	/	2.6 mg/L	/	/	Inhalation
<b>styrene</b>	Maternal toxicity	LOEL	rat	/	1.3 mg/L	/	/	Inhalation

## Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

### (h) STOT-single exposure

No information.

### Additional information

STOT SE (single exposure): Not classified.

### (i) STOT-repeated exposure

#### For components

Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Rem
<b>2-Hydroxypropyl methacrylate</b>	/	/	/	/	/	/	/	Reduced activity. Changes in blood picture.	/	/
<b>titanium dioxide</b>	inhalation	LOEL	rat	2 years	/	Respiratory system	0.01 mg/L	Some positive data exist, but the data are not sufficient for classification.	/	/
<b>titanium dioxide</b>	inhalation	-	human	/	/	/	/	pulmonary fibrosis: negative	/	occ exp

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Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Remark
<b>styrene</b>	inhalation (vapours)	NOAEL	rat	13 weeks	sub-acute	/	0.85 mg/L	/	/	6h/1
<b>styrene</b>	inhalation (vapours)	NOAEL	rat	/	sub-chronic	/	mg/L	/	OECD 453	6h/1

## Additional information

May cause damage to organs through prolonged or repeated exposure.

## (j) Aspiration hazard

No information.

## Additional information

May be fatal if swallowed and enters airways.

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

No information.

## Interactive effects

No information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

### Other information

No information.

## Section 12: Ecological information

### 12.1 Toxicity

#### Acute (short-term) toxicity

##### For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
<b>Barium sulfate</b>	LC <sub>50</sub>	> 152 mg/L	96 h	fish	<i>Danio rerio</i>	OECD 203	/
<b>Barium sulfate</b>	LC <sub>50</sub>	14500 µg/l	48 h	daphnia	<i>Daphnia magna</i>	/	/
<b>Barium sulfate</b>	EC <sub>50</sub>	> 1.15 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	OECD 201	/



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Name	Type	value	Exposure time	Species	organism	Method	Remark
<b>Barium sulfate</b>	EC <sub>50</sub>	> 622 mg/L	3 h	bacteria	Activated sludge	OECD 209 Activated Sludge, Respiration Inhibition Test	/
<b>calcium carbonate</b>	LC <sub>50</sub>	> 10000 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
<b>calcium carbonate</b>	EC <sub>50</sub>	> 1000 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
<b>calcium carbonate</b>	EC <sub>50</sub>	> 200 mg/L	72 h	algae	<i>Desmodesmus subspicatus</i>	/	/
<b>2-Hidroksipropilmetakrilat</b>	LC <sub>50</sub>	493 mg/L	96 h	fish	<i>Leuciscus idus melanotus</i>	/	/
<b>2-Hidroksipropilmetakrilat</b>	EC <sub>50</sub>	> 143 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
<b>2-Hidroksipropilmetakrilat</b>	EC <sub>50</sub>	> 97 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	LC <sub>50</sub>	> 1.3 mg/L	/	fish	/	/	/
<b>n-butyl acrylate</b>	LC <sub>50</sub>	5.2 mg/L	96 h	fish	/	/	/
<b>n-butyl acrylate</b>	EC <sub>50</sub>	5.5 mg/L	96 h	algae	/	/	/
<b>styrene</b>	LC <sub>50</sub>	4.02 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/

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Name	Type	value	Exposure time	Species	organism	Method	Remark
<b>styrene</b>	EC <sub>50</sub>	4.7 mg/L	48 h	crustacea	<i>Daphnia magna</i>	OECD 202	/
<b>styrene</b>	EC <sub>50</sub>	4.9 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	EPA OTS 797.1050	/
<b>styrene</b>	EC <sub>50</sub>	ca. 500 mg/L	30 min	bacteria	/	OECD 209	/
<b>styrene</b>	EC <sub>10</sub>	0.28 mg/L	96 h	algae	<i>Pseudokirchneriella subcapitata</i>	EPA OTS 797.1050	/
<b>xylene</b>	LC <sub>50</sub>	13.4 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
<b>xylene</b>	LC <sub>50</sub>	13.1 - 16.5 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
<b>xylene</b>	LC <sub>50</sub>	2661 - 4093 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
<b>xylene</b>	LC <sub>50</sub>	19 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
<b>xylene</b>	LC <sub>50</sub>	30.26 - 40.75 mg/L	96 h	fish	<i>Poecilia reticulata</i>	/	/
<b>xylene</b>	LC <sub>50</sub>	23.53 - 29.97 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
<b>xylene</b>	LC <sub>50</sub>	7711 - 9591 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
<b>xylene</b>	LC <sub>50</sub>	780 mg/L	96 h	fish	<i>Cyprinus carpio</i>	/	/
<b>xylene</b>	LC <sub>50</sub>	> 780 mg/L	96 h	fish	<i>Cyprinus carpio</i>	/	/
<b>xylene</b>	LC <sub>50</sub>	13.5 - 17.3 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
<b>xylene</b>	EC <sub>50</sub>	3.82 mg/L	48 h	daphnia	/	/	/

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Name	Type	value	Exposure time	Species	organism	Method	Remark
<b>n-butyl acetate</b>	LC <sub>50</sub>	18 mg/L	96 h	fish	/	/	/
<b>n-butyl acetate</b>	EC <sub>50</sub>	44 mg/L	48 h	crustacea	/	/	/
<b>n-butyl acetate</b>	EC <sub>50</sub>	675 mg/L	72 h	algae	/	/	/

## Chronic (long-term) toxicity

### For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
<b>Barium sulfate</b>	NOEC	≥ 100 mg/l	33 days	fish	<i>Danio rerio</i>	OECD 210	/
<b>Barium sulfate</b>	EC16	5800 µg/L	21 days	Magna Daphnia	<i>Daphnia magna</i>	/	/
<b>styrene</b>	NOEC	1.01 mg/l	21 days	crustacea	<i>Daphnia magna</i>	OECD 211	/

## 12.2 Persistence and degradability

### Abiotic degradation, physical- and photo-chemical elimination

No information.

### Biodegradation

#### For components

Name	Type	Rate	Time	Evaluation	Method	Remark
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	BOD	57 - 80 g O <sub>2</sub> /g	/	/	/	/
<b>styrene</b>	biodegradability	70.9 %	28 days	readily biodegradable	ISO DIN 9408	aerobic, activated sludge
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)</b>	Water solubility	< 0.1 mg/L	/	/	/	/

## 12.3 Bioaccumulative potential

### Partition coefficient

#### For components

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Name	Media	value	Temperature °C	pH	Concentration	Method
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	log Kow	3.12 - 3.2	/	/	/	/
<b>styrene</b>	Octanol-water (log Pow)	2.96	/	/	/	/

## Bioconcentration factor (BCF)

### For components

Name	Species	organism	value	Duration	Evaluation	Method	Remark
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	BCF	/	25.9	/	/	/	/
<b>styrene</b>	BCF	fish	13.5	/	/	/	/
<b>styrene</b>	BCF	/	74	/	/	/	Calculated value

## 12.4 Mobility in soil

### Known or predicted distribution to environmental compartments

No information.

### Surface tension

No information.

### Adsorption/Desorption

#### For components

Name	Type	Criterion	value	Evaluation	Method	Remark
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Soil	log KOC	2.73	/	/	/
<b>styrene</b>	Soil	log KOC	2.55	/	/	/
<b>styrene</b>	Soil	/	352	/	/	Koc

## 12.5 Results of PBT and vPvB assessment

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No evaluation.

## 12.6 Endocrine disrupting properties

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The product does not contain substances with the potential for endocrine disorders.

## 12.7 Other adverse effects

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No information.

## 12.8 Additional information

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### For product

Product is not classified as dangerous for environment. Do not allow to reach ground water, water courses or sewage system.

### For components

#### **reaction mass of ethylbenzene and m-xylene and p-xylene**

This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). Bioaccumulation is not expected.

## Section 13: Disposal considerations

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### 13.1 Waste treatment methods

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#### **Product / Packaging disposal**

##### **Waste chemical**

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

##### **Waste codes / waste designations according to LoW**

No information.

##### **Packaging**

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Uncleaned containers should not be perforated, cut or welded. Empty containers represent a fire hazard as they may contain flammable product residues and vapours.

##### **Waste codes / waste designations according to LoW**

No information.

##### **Waste treatment-relevant information**

No information.

##### **Sewage disposal-relevant information**

No information.

##### **Other disposal recommendations**

No information.

## Section 14: Transport information

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ADR/RID	IMDG	IATA	ADN
<b>14.1 UN number or ID number</b>			
UN 1263	UN 1263	UN 1263	UN 1263
<b>14.2 UN proper shipping name</b>			
PAINT	PAINT	PAINT	PAINT
<b>14.3 Transport hazard class(es)</b>			
3	3	3	3
			
<b>14.4 Packing group</b>			
III	III	III	III
<b>14.5 Environmental hazards</b>			
NO	NO	NO	NO
<b>14.6 Special precautions for user</b>			

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ADR/RID	IMDG	IATA	ADN
Limited quantities 5 L Special provisions 163, 367, 650 Packing Instructions P001, IBC03, LP01, R001 Special packing provisions PP1 Transport category 3 Tunnel restriction code (D/E) Classification code F1	Limited quantities 5 L EmS F-E, <u>S-E</u> Flash point 23 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y344 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 10 L Packing Instructions (Pkg Inst) 355 Maximum Net Quantity/Package (Max Net Qty/Pkg) 25 L Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst) 366 Special provisions A3, A72, A192 ERG code 3L	Limited quantities 5 L
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

## Section 15: Regulatory information

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

EU limit values and category: B(c) 540 g/l. VOC Content: < 540 g/l

#### Ingredients according to Regulation (EC) No 648/2004 on detergents

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No information.

## **Special instructions**

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

## **15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## **Section 16: Other information**

### **Indication of changes**

2.3 Other hazards 4.1 Description of first aid measures 4.3 Indication of any immediate medical attention and special treatment needed 6.2 Environmental precautions 6.3 Methods and material for containment and cleaning up 7.2 Conditions for safe storage, including any incompatibilities 8.1 Control parameters 8.2 Exposure controls 9.1 Information on basic physical and chemical properties 9.2 Other information 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 11.2 Information on other hazards 12.1 Toxicity 12.2 Persistence and degradability 12.6 Endocrine disrupting properties 14. Transport information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

### **Key literature references and sources for data**

No information.

### **Abbreviations and acronyms**

ATE - Acute Toxicity Estimate  
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CEN - European Committee for Standardisation  
C&L - Classification and Labelling  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
CAS# - Chemical Abstracts Service number  
CMR - Carcinogen, Mutagen, or Reproductive Toxicant  
CSA - Chemical Safety Assessment  
CSR - Chemical Safety Report  
DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue



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EWC - European Waste Catalogue (replaced by LoW – see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

## List of relevant H phrases

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

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H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H341 Suspected of causing genetic defects.

H360FD May damage fertility. May damage the unborn child.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.