

## Safety data sheet

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 PRODUCT IDENTIFIER

Product name  
MITOSOL S50

#### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant identified uses

Solvent, thinner

Uses advised against

No information.

#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer

MITOL, tovarna lepil, d.o.o., Sežana  
Partizanska c. 78  
6210 Sežana, Slovenia  
+386 5 73 12 300 (8:00-16:00)  
lilijana.kocjan@mitol.si

#### 1.4 EMERGENCY TELEPHONE NUMBER

Emergency

112

Manufacturer

+386 5 73 12 300 (8:00-16:00)



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

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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.  
Acute Tox. 4; H312 Harmful in contact with skin.  
Skin Irrit. 2; H315 Causes skin irritation.  
Eye Irrit. 2; H319 Causes serious eye irritation.  
Acute Tox. 4; H332 Harmful if inhaled.  
STOT SE 3; H335 May cause respiratory irritation.  
STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.

#### 2.2 LABEL ELEMENTS

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



**Signal word: DANGER**

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
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].  
P331 Do NOT induce vomiting.  
P370 + P378 In case of fire: Use fire extinguishing powder or alcohol resistant foam to extinguish.  
P501 Dispose of contents/container in accordance with national regulation.

Contains:

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

## Safety data sheet

### 2.3 OTHER HAZARDS

#### PBT/vPvB

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Endocrine disrupting properties

The mixture does not contain substances that are included in the list of substances with endocrine disrupting properties established in accordance with Article 59 of the REACH Regulation, in a concentration  $\geq 0.1$  w/w %. The mixture does not contain substances identified as substances with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, in a concentration  $\geq 0.1$  w/w %.

#### Additional information

No information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCES

For mixtures see 3.2.

### 3.2 MIXTURES

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
reaction mass of ethylbenzene and m-xylene and p-xylene	- 905-562-9 - 01-2119555267-33	$\leq 100$	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		/
xylene	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	$\leq 100$	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		C
ethylbenzene	100-41-4 202-849-4 601-023-00-4	$\leq 25$	Flam. Liq. 2; H225 / Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373		/
o-xylene	95-47-6 202-422-2 601-022-00-9	$\leq 13$	Flam. Liq. 3; H226 / Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332		C

## Safety data sheet

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
toluene	108-88-3 203-625-9 601-021-00-3	≤1	Flam. Liq. 2; H225 / Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Repr. 2; H361d STOT RE 2; H373		/

### Notes for substances

<b>C</b>	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.
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## 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. Symptoms of poisoning may even occur after several hours; therefore medical observation is required at least 48 hours after the event.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. If victim is not breathing, give artificial respiration. In case of difficulty breathing, give oxygen to the victim. If symptoms develop and persist, seek medical attention.

#### Following skin contact

Immediately remove contaminated clothing. Wash affected skin areas immediately with plenty of water and soap. In case of burn rinse with water until the pain ceases. Body hypothermia must be avoided. If symptoms develop and persist, seek medical attention.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. After 5 minutes of rinsing, remove contact lenses, if present, and continue rinsing. If irritation persists, seek professional medical attention.

#### Following ingestion

Immediately consult a doctor. Show the physician the safety data sheet or label. Do not induce vomiting! Aspiration hazard if swallowed. Never give anything by mouth to an unconscious person.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

#### Following inhalation

Harmful. Coughing, sneezing, nasal discharge, labored breathing. Intoxication, vertigo, headache, nausea. Prolonged inhalation of vapours can cause lung injury.

#### Following skin contact

Harmful. Itching, redness, pain. Can cause injuries.

#### Following eye contact

Redness, tearing, pain.

#### Following ingestion

Harmful to health. May cause nausea/vomiting and diarrhea.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No information.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

#### 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

# Safety data sheet

## Hazardous combustion products

In case of heating harmful vapours/gases can be generated. In the event of fire the following can be generated: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>). Combustion products may include unidentified organic and inorganic compounds.

## 5.3 ADVICE FOR FIREFIGHTERS

### Protective actions

Cool containers at risk with water spray. If possible remove containers from endangered area. Vapours can form explosive mixtures with air.

### Special protective equipment for fire-fighters

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

### Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

#### For non-emergency personnel

#### Protective equipment

Use personal protective equipment (Section 8). Avoid contact with the eyes and skin.

#### Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking! Take precautionary measures against static discharges.

#### Emergency procedures

Remove all unauthorized persons upwind to a safe distance. Avoid contact with skin and eyes. Do not breathe vapour or mist.

#### For emergency responders

Use personal protective equipment.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

#### For containment

No information.

#### For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Collect in a suitable container and dispose in accordance with the methods under Section 13. Do not absorb spillage with sawdust or other combustible material. In case of major contamination, the contaminated soil layer should be removed. In case of small spillages in closed waters, contain product with floating barriers or other equipment or floating absorbents. The use of dispersants should be advised by an expert.

#### Other information

No information.

### 6.4 REFERENCE TO OTHER SECTIONS

See also sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

#### 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 and air form explosive mixtures. Ensure proper grounding of the equipment. Take into account existing regulations on the emission of hazardous substances into the environment (par. 12) and explosion limits (par. 9). Use explosively safe equipment (ventilators, lighting, working instruments and devices,...);

#### Measures to prevent aerosol and dust generation

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

#### Measures to protect the environment

No information.

#### 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. Avoid contact with skin and eyes. Do not breathe vapours/mist. Remove contaminated clothes and wash them before reuse.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

# Safety data sheet

## Technical measures and storage conditions

Keep in cool and well ventilated area. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Handle and open the container carefully. Flammable mixtures may be formed in empty containers. Empty containers may still contain explosive vapors and are therefore considered as hazardous waste. Store between: 5 - 40 °C Keep away from oxidising substances. Store in a closed and properly labeled containers away from strong oxidising agents. Keep away from self-igniting materials.

## 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)

### Recommendations

Do not use compressed air during filling, emptying or handling.

### Industrial sector specific solutions

No information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

#### Occupational Exposure limit values

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>Ethylbenzene (100-41-4)</b>	441	100	552	125	Sk	/
<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
<b>Toluene (108-88-3)</b>	191	50	384	100	Sk	/

#### 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>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Worker	inhalation	long term systemic effects	/	221 mg/m <sup>3</sup>
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	Worker	inhalation	short term systemic effects	/	442 mg/m <sup>3</sup>

## Safety data sheet

Name	Type	Exposure route	exp. frequency	Remark	value
reaction mass of ethylbenzene and m-xylene and p-xylene	Worker	dermal	short term systemic effects	/	3182 mg/kg bw/day
reaction mass of ethylbenzene and m-xylene and p-xylene	Consumer	inhalation	long term systemic effects	/	65.3 mg/m <sup>3</sup>
reaction mass of ethylbenzene and m-xylene and p-xylene	Consumer	inhalation	short term systemic effects	/	260 mg/m <sup>3</sup>
reaction mass of ethylbenzene and m-xylene and p-xylene	Consumer	dermal	long term systemic effects	/	1872
reaction mass of ethylbenzene and m-xylene and p-xylene	Consumer	oral	long term systemic effects	/	12.5
xylene	Worker	inhalation	short term systemic effects	/	289 mg/m <sup>3</sup>
xylene	Worker	inhalation	short term local effects	/	289 mg/m <sup>3</sup>
xylene	Worker	dermal	long term systemic effects	/	180 mg/kg
xylene	Worker	inhalation	long term systemic effects	/	77 mg/m <sup>3</sup>
xylene	Consumer	inhalation	short term systemic effects	/	174 mg/m <sup>3</sup>
xylene	Consumer	inhalation	short term local effects	/	174 mg/m <sup>3</sup>
xylene	Consumer	dermal	long term systemic effects	/	108 mg/kg
xylene	Consumer	inhalation	long term systemic effects	/	14.8 mg/m <sup>3</sup>
ethylbenzene	Consumer	inhalation	long term systemic effects	/	14.8 mg/m <sup>3</sup>
ethylbenzene	Consumer	oral	long term systemic effects	/	1.6 mg/kg
ethylbenzene	Worker	dermal	long term systemic effects	/	180 mg/kg
ethylbenzene	Worker	inhalation	long term systemic effects	/	77 mg/m <sup>3</sup>
ethylbenzene	Worker	inhalation	short term systemic effects	/	289 mg/m <sup>3</sup>
ethylbenzene	Consumer	dermal	long term systemic effects	/	108 mg/kg
ethylbenzene	Consumer	inhalation	short term systemic effects	/	174 mg/m <sup>3</sup>

## Safety data sheet

Name	Type	Exposure route	exp. frequency	Remark	value
ethylbenzene	Consumer	inhalation	short term local effects	/	174 mg/m <sup>3</sup>

### PNEC values

#### For product

No information.

#### For components

Name	Exposure route	Remark	value
reaction mass of ethylbenzene and m-xylene and p-xylene	fresh water	/	0.25 mg/L
reaction mass of ethylbenzene and m-xylene and p-xylene	marine water	/	0.25 mg/L
reaction mass of ethylbenzene and m-xylene and p-xylene	fresh water sediment	/	14.33 mg/kg
reaction mass of ethylbenzene and m-xylene and p-xylene	soil	/	2.41 mg/kg
xylene	fresh water	/	0.327 mg/L
xylene	marine water	/	0.327 mg/L
xylene	water, intermittent release	/	0.327 mg/L
xylene	water treatment plant	/	6.58 mg/L
xylene	fresh water sediment	/	12.46 mg/kg
xylene	marine water sediment	/	12.46 mg/kg
xylene	soil	/	2.31 mg/kg
ethylbenzene	soil	/	2.68 mg/kg
ethylbenzene	fresh water	/	0.1 mg/L
ethylbenzene	marine water	/	0.01 mg/L
ethylbenzene	water, intermittent release	/	0.1 mg/L
ethylbenzene	fresh water sediment	/	13.7 mg/kg
ethylbenzene	water treatment plant	/	9.6 mg/L

## 8.2 EXPOSURE CONTROLS

### Appropriate engineering control

#### 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. Keep away from direct sun-light or other heat sources and sources of ignition. Avoid contact with eyes and skin. Do not breathe vapours/aerosols. Do not eat, drink or smoke while working.

### Structural measures to prevent exposure

No information.

### Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units and emergency showers available.

### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

### Personal protective equipment

#### Eye and face protection

Safety glasses with side protection (EN 166).

#### Hand protection

Protective gloves (EN 374). 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

# Safety data sheet

also on further marks of quality and varies from manufacturer to manufacturer.

## Appropriate materials

Material	Thickness	Penetration Time	Remark
Viton (fluorinated rubber)	0.4 mm	8 h	/

## Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2012). At higher exposures wear chemical-resistant clothing (BS EN 13034:2005+A1:2009) and boots, natural rubber (BS EN ISO 20345:2011). Choose body protection according to the activity and possible exposure.

## Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Protective masks (BS EN 136) or half masks (BS EN 140) with filter A (BS EN 14387).

## 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

No information.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

#### Important health, safety and environmental information

Physical state	liquid
Shape	No information.
Colour	colourless
Odour	slightly aromatic
Odour threshold	No information.
Melting/freezing point	-25 °C
Boiling point or initial boiling point and boiling range	137 — 143 °C
Flammability (solid, gas)	No information.
Explosion limits (vol%)	1 — 7 % v/v
Flash point	25 °C
Auto-ignition temperature	ca. 460 °C
Decomposition temperature	No information.
pH	No information.
Viscosity (dynamic)	0.61 mPas at 20 °C
Solubility (Water)	9 g/l at 25 °C
Octanol-water (log Pow)	2.77 — 3.15
Vapour pressure	8 hPa at 20 °C
Density	0.87 g/cm <sup>3</sup> at 20 °C
Relative vapour/gas density	No information.
Particle characteristics	No information.

### 9.2 OTHER INFORMATION

#### Information with regard to physical hazard classes

Explosive properties	Product is not explosive. However, formation of explosive air/ vapour mixtures is possible.
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# Safety data sheet

## Other safety characteristics

No information.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

No information.

### 10.2 CHEMICAL STABILITY

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

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No information.

### 10.4 CONDITIONS TO AVOID

Protect from heat, direct sunlight, open fire, sparks. Protect against electrostatic charge build-up.

### 10.5 INCOMPATIBLE MATERIALS

Strong acids. Strong oxidising agents.

### 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. Carbon dioxide; Carbon monoxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

#### (a) Acute toxicity

For product

Exposure route	Type	Species	Time	value	Method	Remark
inhalation (vapours)	ATE	/	/	11 mg/l	/	calculated value
dermal	ATE	/	/	1100 mg/kg	/	calculated value

For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
xylene	oral	LD <sub>50</sub>	/	/	2000 - 5000 mg/kg	/	/
xylene	inhalation	LC <sub>50</sub>	/	/	10 - 20 mg/l	/	/

#### Additional information

Harmful if inhaled. Harmful in contact with skin.

#### (b) Skin corrosion/irritation

No information.

#### Additional information

Causes skin irritation.

#### (c) Serious eye damage/irritation

No information.

#### Additional information

Causes serious eye irritation.

#### (d) Respiratory or skin sensitisation

No information.

#### Additional information

The product is not classified as sensitising.

#### (e) (Germ cell) mutagenicity

No information.

#### (f) Carcinogenicity

No information.

## Safety data sheet

### (g) Reproductive toxicity

No information.

### 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 - single exposure: May cause respiratory irritation.

### (i) STOT-repeated exposure

No information.

### 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

#### For product

The mixture does not contain substances that are included in the list of substances with endocrine disrupting properties established in accordance with Article 59 of the REACH Regulation, in a concentration  $\geq 0.1$  w/w %. The mixture does not contain substances identified as substances with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, in a concentration  $\geq 0.1$  w/w %.

#### 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
reaction mass of ethylbenzene and m-xylene and p-xylene	LC <sub>50</sub>	> 1.3 mg/L	/	fish	/	/	/
xylene	LC <sub>50</sub>	26.7 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
xylene	LC <sub>50</sub>	16.9 mg/L	96 h	fish	<i>Carassius auratus</i>	/	/
xylene	LC <sub>50</sub>	20.9 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
xylene	LC <sub>50</sub>	34.7 mg/L	96 h	fish	<i>Poecilia reticulata</i>	/	/
xylene	EC <sub>50</sub>	1 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
xylene	IC <sub>50</sub>	2.2 mg/L	72 h	algae	/	/	/

#### Chronic (long-term) toxicity

# Safety data sheet

## For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
xylene	NOEC	> 1.3 mg/l	56 days	fish	/	/	/
xylene	NOEC	0.96 mg/l	7 days	Magna Daphnia	/	/	/

## 12.2 PERSISTENCE AND DEGRADABILITY

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

No information.

### Biodegradation

#### For components

Name	Type	Rate	Time	Evaluation	Method	Remark
reaction mass of ethylbenzene and m-xylene and p-xylene	BOD	57 - 80 g/g	/	/	/	/

### Additional information

Preparation with easily biodegradable substances.

## 12.3 BIOACCUMULATIVE POTENTIAL

### Partition coefficient n-octanol/water (log value)

#### For product

Media	value	Temperature °C	pH	Concentration	Method
Octanol-water (log Pow)	2.77 - 3.15	/	/	/	/

#### For components

Name	Media	value	Temperature °C	pH	Concentration	Method
xylene	Octanol-water (log Pow)	3.12 - 3.2	/	/	/	/

### Bioconcentration factor (BCF)

#### For components

Name	Species	organism	value	Duration	Evaluation	Method	Remark
xylene	BCF	/	25.9	/	/	/	/

## 12.4 MOBILITY IN SOIL

### Known or predicted distribution to environmental compartments

No information.

### Surface tension

No information.

### Adsorption/Desorption

No information.

## 12.5 RESULTS OF PBT AND VPVB ASSESSMENT

The components in this product do not meet the criteria for classification as PBT or vPvB.

## 12.6 ENDOCRINE DISRUPTING PROPERTIES

### For product

The mixture does not contain substances that are included in the list of substances with endocrine disrupting properties established in accordance with Article 59 of the REACH Regulation, in a concentration  $\geq 0.1$  w/w %. The mixture does not contain substances identified as substances with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, in a concentration  $\geq 0.1$  w/w %.

## 12.7 OTHER ADVERSE EFFECTS

No information.

## Safety data sheet

### 12.8 ADDITIONAL INFORMATION

#### For product

Do not allow to reach ground water, water courses or sewage system.

#### For components

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

Bioaccumulation is not expected.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

#### Product / Packaging disposal

#### Waste chemical

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

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

No information.

#### Packaging

Deliver completely emptied containers to approved waste disposal authorities. Cleaned uncontaminated packaging may be taken for recycling. Uncleaned containers should not be perforated, cut or welded.

#### 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

ADR/RID	IMDG	IATA	ADN
<b>14.1 UN number or ID number</b>			
UN 1307	UN 1307	UN 1307	UN 1307
<b>14.2 UN proper shipping name</b>			
XYLENES	XYLENES	XYLENES	XYLENES
<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>			

## Safety data sheet

ADR/RID	IMDG	IATA	ADN
Limited quantities 5 L Packing Instructions P001, IBC03, LP01, R001 Transport category 3 Tunnel restriction code (D/E) Classification code F1	Limited quantities 5 L EmS F-E, S-D Flash point °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 Special provisions A3	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)

not applicable

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

No information.

#### Special instructions

Seveso P5c: FLAMMABLE LIQUIDS. Regulation (EC) No. 1907/2006 (REACH) Annex XVII - Terms of restriction: 3, 40. Regulation (EC) No. 1907/2006 (REACH) Annex XVII - Terms of restriction: 48 toluene - Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight where the substance or mixture is used in adhesives or spray paints intended for supply to the general public.

### 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

8.1 Control parameters 9.1 Information on basic physical and chemical properties 9.2 Other information 12.3 Bioaccumulative potential

#### Key literature references and sources for data

No information.

#### Abbreviations and acronyms

## Safety data sheet

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

EWG - 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



## Safety data sheet

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H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H361d Suspected of damaging the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.