BRENNTAG

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

XYLENE LOW CUMENE BULK 1K

Version 2.0 Print Date 23.05.2024

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

1.1. Product identifier

Trade name	:	**FJÖLÞYNNIR**
Substance name	:	Reaction mass of ethylbenzene and xylene
EC-No.	:	905-588-0
EU REACH-Reg. No.	:	01-2119488216-32-xxxx
REACH Status	:	Each component of the product is either registered or exempted from registration obligations according to REACH Regulation (EC) No 1907/2006

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

Notkunarsvið:		**Þynnir fyrir ýmsar tegundir af málningu**
Substance/Mixture		Refer to exposure scenario for a complete overview of identified uses.
Uses advised against	:	At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company	:	Brenntag N.V. Nijverheidslaan 38 BE 8540 Deerlijk
Telephone	:	+32 (0)56 77 6944
Telefax	:	+32 (0)56 77 5711
E-mail address	:	info@brenntag.be
Responsible/issuing person	:	Master Data Administration
Company	:	Brenntag Nederland B.V. Donker Duyvisweg 44 NL 3316 BM Dordrecht
Telephone	:	+31 (0)78 65 44 944
Telefax	:	+31 (0)78 65 44 919
E-mail address	:	info@brenntag.nl
Responsible/issuing person	:	Master Data Administration

málning

Söluaðili: Málning hf.
Dalvegur 18
201 Kópavogur
Ísland
Sími: 580 6000
Netfang: oryggisblod@malning.is

Neyðarlínan: Sími 112
Eitrunarmiðstöð Landsspítalans. Sími: 543222

1.4. Emergency telephone number

Emergency telephone number	:	Belgium: Antipoison Center - Brussels TEL: +32(0)70 245 245 Netherland: National Poisoning Information Center - Bilthoven TEL: +31(0) 88 755 8000 (Only for the purpose of informing

medical personnel in cases of acute intoxications)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
Hazard class	**Hazard category**	**Target Organs**	**Hazard statements**
Flammable liquids	Category 3	---	H226
Aspiration hazard	Category 1	---	H304
Acute toxicity (Dermal)	Category 4	---	H312
Skin irritation	Category 2	---	H315
Eye irritation	Category 2	---	H319
Acute toxicity (Inhalation)	Category 4	---	H332
Specific target organ toxicity - single exposure	Category 3	Respiratory system	H335
Specific target organ toxicity - repeated exposure	Category 2	---	H373
Long-term (chronic) aquatic hazard	Category 3	---	H412

For the full text of the H-Statements mentioned in this Section, see Section 16.

Most important adverse effects

Human Health : Inhalation may cause the following effects:, Cause pain in mouth and throat, nausea, vomiting, dizziness, headache and risk of unconsciousness., Prolonged or repeated exposure may cause injuries to liver, kidneys and central nervous system.
Skin contact may cause the following effects:, Causes skin irritation.
Eye contact may cause the following effects:, Causes serious eye irritation.
Ingestion may cause the following effects:, Ingestion may result in vomiting, gastric pain and symptoms like inhalation., Already after ingestion or vomiting of small quantities may cause cough and possibly difficulty in breathing. Chemical pneumonia may occur in the course of a day.

Physical and chemical hazards : Flammable. Heating may produce combustible vapour which can form explosive mixture with air., Vapours may form explosive mixtures with air., Vapours are heavier than air and may spread along floors.

Potential environmental effects	:	According to available data, this product is not harmful to the environment.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols :

Signal word : Danger

Hazard statements :

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.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention :

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.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response :

P301 + P310 + P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting.
P312	Call a POISON CENTER/ doctor if you feel unwell.

Storage :

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Disposal :

P501	Dispose of contents/ container in accordance with the local/regional/international regulations.

Hazardous components which must be listed on the label:

- Reaction mass of ethylbenzene and xylene

2.3. Other hazards

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical nature : This product is a UVCB substance listed at the first position of the table below.

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)	
		Hazard class / Hazard category	Hazard statements
Reaction mass of ethylbenzene and xylene			
EC-No. : 905-588-0 EU REACH-Reg. No. : 01-2119488216-32-xxxx	100	Flam. Liq.3 Acute Tox.4 Dermal Acute Tox.4 Inhalation Skin Irrit.2 Eye Irrit.2 STOT SE3 STOT RE2 Asp. Tox.1 Aquatic Chronic3 --- Acute toxicity estimate Acute inhalation toxicity (vapour): 11 mg/l Acute dermal toxicity: 1100 mg/kg	H226 H312 H332 H315 H319 H335 H373 H304 H412
cumene			
Index-No. : 601-024-00-X CAS-No. : 98-82-8 EC-No. : 202-704-5	< 0,1	Flam. Liq.3 Carc.1B Asp. Tox.1 STOT SE3 Aquatic Chronic2	H226 H350 H304 H335 H411

			Acute toxicity estimate Acute oral toxicity: 2700 mg/kg Acute dermal toxicity: 3160,01 mg/kg	
toluene				
Index-No. CAS-No. EC-No.	: 601-021-00-3 : 108-88-3 : 203-625-9	<= 2	Flam. Liq.2 Repr.2 Asp. Tox.1 Skin Irrit.2 STOT SE3 STOT RE2 Aquatic Chronic3	H225 H361d H304 H315 H336 H373 H412
xylene				
Index-No. CAS-No. EC-No.	: 601-022-00-9 : 1330-20-7 : 215-535-7	>= 60 - <= 100	Flam. Liq.3 Acute Tox.4 Inhalation Acute Tox.4 Dermal Skin Irrit.2 Acute toxicity estimate Acute oral toxicity: 4300 mg/kg Acute inhalation toxicity (vapour): 11 mg/l Acute dermal toxicity: 3200 mg/kg Note C	H226 H332 H312 H315
ethylbenzene				
Index-No. CAS-No. EC-No.	: 601-023-00-4 : 100-41-4 : 202-849-4	<= 25	Flam. Liq.2 Acute Tox.4 Inhalation STOT RE2 Asp. Tox.1 Acute toxicity estimate Acute oral toxicity: 3500 mg/kg Acute inhalation toxicity (vapour): 17,2 mg/l Acute dermal toxicity: 15400 mg/kg	H225 H332 H373 H304

Remarks : The substances listed in the table above, besides of the first one, are components of the UVCB and listed because of their classification and relevance for other sections in this document.

For the full text of the H-Statements mentioned in this Section, see Section 16.
For the full text of the Notes mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	: Remove from exposure, lie down. Take off all contaminated clothing immediately. First aider needs to protect himself.
If inhaled	: Remove to fresh air. In case of shortness of breath, give oxygen. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	: Wash off immediately with plenty of water. After massive skin contact get medical attention immediately.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. If easy to do, remove contact lens, if worn. Consult an eye specialist immediately.

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

Symptoms	: See Section 11 for more detailed information on health effects and symptoms.
Effects	: See Section 11 for more detailed information on health effects and symptoms.

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

Treatment	: Treat symptomatically. No further information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	Combustible liquid. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Flash back possible over considerable distance. Fire may cause evolution of: Carbon oxides, The product is insoluble and floats on water.

5.3. Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.Wear appropriate body protection (full protective suit)
Further advice	:	Cool closed containers exposed to fire with water spray.Risk of closed containers bursting if strongly heated.Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Keep away unprotected persons. Move away upwind from the hazard source. Provide adequate ventilation. Keep away from heat and sources of ignition. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapor/spray.

6.2. Environmental precautions

Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up	:	Ventilate the area. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal.
Further information	:	Risk of explosion. If substance has entered a water course or sewer or contaminated soil or vegetation advise fire brigade or police Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	:	Keep container tightly closed. Handle and open container with care. Provide sufficient air exchange and/or exhaust in work rooms. All metal parts of the mixing and processing equipment must be earthed. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.
Hygiene measures	:	Take off all contaminated clothing immediately. Avoid contact with the skin and the eyes. Do not breathe gas/fumes/vapor/spray. Smoking, eating and drinking should be prohibited in the application area. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Keep in an area equipped with solvent resistant flooring. Suitable materials for containers: Stainless steel; Unsuitable materials for containers: Polyvinylchloride; polyethylene containers; Rubber products
Requirements for storage areas and containers	:	
Advice on protection against fire and explosion	:	Keep away from sources of ignition - No smoking. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Flash back possible over considerable distance. Take precautionary measures against static discharges. Use only explosion-proof equipment.
Further information on storage conditions	:	Keep tightly closed in a dry and cool place. Keep in a well-ventilated place. Keep away from heat. Keep away from direct sunlight.
Advice on common storage	:	Incompatible with oxidizing agents. Keep away from strong acids. Do not store together with oxidizing and self-igniting products.
German storage class	:	3 Flammable liquids
Suitable packaging materials	:	Mild steel, Stainless steel
Unsuitable packaging materials	:	, natural rubber, Butyl rubber, Neoprene, Nitrile rubber.

7.3. Specific end use(s)

Specific use(s)	:	Identified use: See table in front of appendix for a complete overview of identified uses.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Component:	**Reaction mass of ethylbenzene and xylene**
Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)	

DNEL

Workers, Long-term - systemic effects, Long-term - local effects, Inhalation : 221 mg/m3

DNEL

Workers, Acute - systemic effects, Acute - local effects, Inhalation : 442 mg/m3

DNEL
Workers, Long-term - systemic effects, Skin contact : 212 mg/kg bw/day

DNEL
Consumers, Long-term - systemic effects, Long-term - local effects, Inhalation : 65,3 mg/m3

DNEL
Consumers, Acute - systemic effects, Acute - local effects, Inhalation : 174 mg/m3

DNEL
Consumers, Long-term - systemic effects, Skin contact : 125 mg/kg bw/day

DNEL
Consumers, Long-term - systemic effects, Ingestion : 12,5 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Fresh water	:	0,327 mg/l
Marine water	:	0,327 mg/l
Intermittent releases	:	0,327 mg/l
Sewage treatment plant (STP)	:	6,58 mg/l
Fresh water sediment	:	12,46 mg/kg dry weight (d.w.)
Marine sediment	:	12,46 mg/kg dry weight (d.w.)
Soil	:	2,31 mg/kg dry weight (d.w.)

Component: toluene CAS-No. 108-88-3

Other Occupational Exposure Limit Values

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Time Weighted Average (TWA): 50 ppm, 192 mg/m3
Indicative

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Short Term Exposure Limit (STEL): 100 ppm, 384 mg/m3
Indicative

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Skin designation:

Can be absorbed through the skin.

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Time Weighted Average (TWA):
20 ppm, 77 mg/m3

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Short Term Exposure Limit (STEL):
100 ppm, 384 mg/m3, (15 minutes)

Netherlands. OELs (binding), as amended, Time Weighted Average (TWA):
150 mg/m3

Netherlands. OELs (binding), as amended, Short Term Exposure Limit (STEL):
384 mg/m3, (15 minutes)

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Time Weighted Average (TWA):
50 ppm, 192 mg/m3
Indicative

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Short Term Exposure Limit (STEL):
100 ppm, 384 mg/m3
Indicative

Component:	**xylene**	**CAS-No. 1330-20-7**
Other Occupational Exposure Limit Values		

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Short Term Exposure Limit (STEL):
100 ppm, 442 mg/m3
Indicative

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Time Weighted Average (TWA):
50 ppm, 221 mg/m3
Indicative

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Time Weighted Average (TWA):
50 ppm, 221 mg/m3

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Skin designation:
Can be absorbed through the skin.

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Short Term Exposure Limit (STEL):
100 ppm, 442 mg/m3, (15 minutes)

Netherlands. OELs (binding), as amended, Time Weighted Average (TWA):
210 mg/m3

Netherlands. OELs (binding), as amended, Skin designation:
Can be absorbed through the skin.

Netherlands. OELs (binding), as amended, Short Term Exposure Limit (STEL):
442 mg/m3, (15 minutes)

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Short Term Exposure Limit (STEL):
100 ppm, 442 mg/m3
Indicative

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Time Weighted Average (TWA):
50 ppm, 221 mg/m3
Indicative

Component:	**ethylbenzene**	**CAS-No. 100-41-4**

Other Occupational Exposure Limit Values

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Time Weighted Average (TWA):
100 ppm, 442 mg/m3
Indicative

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Short Term Exposure Limit (STEL):
200 ppm, 884 mg/m3
Indicative

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Skin designation:
Can be absorbed through the skin.

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Time Weighted Average (TWA):
20 ppm, 87 mg/m3

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Short Term Exposure Limit (STEL):
125 ppm, 551 mg/m3, (15 minutes)

Netherlands. OELs (binding), as amended, Skin designation:
Can be absorbed through the skin.

Netherlands. OELs (binding), as amended, Time Weighted Average (TWA):
215 mg/m3

Netherlands. OELs (binding), as amended, Short Term Exposure Limit (STEL):
430 mg/m3, (15 minutes)

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Time Weighted Average (TWA):
100 ppm, 442 mg/m3
Indicative

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Short Term Exposure Limit (STEL): 200 ppm, 884 mg/m3
Indicative

8.2. Exposure controls

Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection

Advice	:	Required if vapours or aerosol are released. Required, if exposure limit is exceeded (e.g. OEL). In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use self-contained breathing apparatus. Recommended Filter type: Filter type A for organic gases and vapors.

Hand protection

Advice	:	Wear suitable gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. Protective gloves should be replaced at first signs of wear.
Material	:	Fluorinated rubber
Break through time	:	> 480 min
Glove thickness	:	0,4 mm
Material	:	Nitrile rubber
Break through time	:	> 30 min
Glove thickness	:	0,55 mm

Eye protection

Advice	:	Tightly fitting safety goggles

Skin and body protection

Advice	:	Solvent resistant protective clothing

Environmental exposure controls

General advice	:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	:	liquid
Physical state	:	liquid
Colour	:	colourless
Odour	:	aromatic
Odour Threshold	:	No data available
Melting point/freezing point	:	-95 - 13 °C
Boiling point/boiling range	:	136 - 152 °C
Flammability	:	No data available
Upper explosion limit / Upper flammability limit	:	7 %(V)
Lower explosion limit / Lower flammability limit	:	1 %(V)
Flash point	:	26 °C Method: open cup > 23 °C Method: closed cup
Auto-ignition temperature	:	> 432 °C
Decomposition temperature	:	No data available
Self-Accelerating decomposition temperature (SADT)	:	No data available
pH	:	Not applicable substance/mixture is non-soluble (in water)
Viscosity Viscosity, dynamic	:	No data available

Viscosity, kinematic	:	< 0,9 mm2/s (40 °C)
Flow time	:	No data available
Solubility(ies)		
Water solubility	:	0,146 - 0,191 kg/m3
Solubility in other solvents	:	No data available
Dissolution Rate	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Dispersion Stability	:	No data available
Vapour pressure	:	0,65 - 0,95 kPa (20 °C)
Relative density	:	No data available
Density	:	0,87 g/cm3 (20 °C)
Bulk density	:	No data available
Relative vapour density	:	No data available
Particle characteristics		
No data available		

9.2 Other information

Explosives	:	Not considered explosive based on chemical structure and oxygen balance considerations.
Oxidizing properties	:	No chemical groups associated with explosive properties.

SECTION 10: Stability and reactivity

10.1. Reactivity

Advice : No information available.

10.2. Chemical stability

Advice : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Conditions to avoid : Electrostatic dischargeHeat, flames and sparks.

10.5. Incompatible materials

Materials to avoid : Strong acids, Strong oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products : No information available.

SECTION 11: Toxicological information

11.1. Information on the hazard classes within the meaning of Regulation (EC) No. 1272/2008

Data for the product		
Acute toxicity		
Oral		
		Based on available data, the classification criteria are not met.
Inhalation		
Acute toxicity estimate	:	11 mg/l (4 h; vapour) (Calculation method)Harmful if inhaled.
Dermal		
Acute toxicity estimate	:	1100 mg/kg) (Calculation method)Harmful in contact with skin.
Irritation		
Eyes		
Result	:	Causes serious eye irritation.
Sensitisation		
Result	:	Based on available data, the classification criteria are not met.
CMR effects		
CMR Properties		
Carcinogenicity	:	Based on available data, the classification criteria are not met.
Mutagenicity	:	Based on available data, the classification criteria are not met.
Reproductive toxicity	:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity		
Single exposure		
Remarks	:	May cause respiratory irritation.

Repeated exposure

Remarks : May cause damage to organs through prolonged or repeated exposure.

Other toxic properties

Aspiration hazard

May be fatal if swallowed and enters airways.,

Component: Reaction mass of ethylbenzene and xylene

Acute toxicity

Oral

No data available

Inhalation

No data available

Dermal

No data available

Irritation

Eyes

Result : No data available

Sensitisation

Result : No data available

CMR effects

CMR Properties

Carcinogenicity : No data available
Mutagenicity : No data available
Reproductive toxicity : No data available

Specific Target Organ Toxicity

Single exposure

Remarks : No data available

Repeated exposure		
Remarks	:	No data available

Other toxic properties
Aspiration hazard
No data available,

11.2. Information on other hazards

Data for the product		
Endocrine disrupting properties		
Assessment	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Component:	Reaction mass of ethylbenzene and xylene	
Endocrine disrupting properties		
Assessment	:	No information available about endocrine disruption properties for human health.

SECTION 12: Ecological information

12.1. Toxicity

Data for the product		
Acute toxicity		
Short-term (acute) aquatic hazard		
Result	:	Based on available data, the classification criteria are not met.

Chronic toxicity		
Long-term (chronic) aquatic hazard		
Result	:	Harmful to aquatic life with long lasting effects.

Component:	Reaction mass of ethylbenzene and xylene	
Acute toxicity		
Fish		

: No data available

Toxicity to daphnia and other aquatic invertebrates

: No data available

algae

: No data available

12.2. Persistence and degradability

Component:	Reaction mass of ethylbenzene and xylene
Persistence and degradability	
Persistence	
Result	: No data available
Biodegradability	
Result	: No data available

12.3. Bioaccumulative potential

Component:	Reaction mass of ethylbenzene and xylene
Bioaccumulation	
Result	: log Kow 3,49 (30 °C; pH 5 - 8) (OECD Test Guideline 117) : No data available

12.4. Mobility in soil

Component:	Reaction mass of ethylbenzene and xylene
Mobility	

: No data available

12.5. Results of PBT and vPvB assessment

Data for the product

Results of PBT and vPvB assessment		
Result	:	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.

Component:	Reaction mass of ethylbenzene and xylene	
Results of PBT and vPvB assessment		
Result	:	Substance is not persistent, bioaccumulative, and toxic (PBT)., Substance is not very persistent and very bioaccumulative (vPvB).

12.6. Endocrine disrupting properties

Data for the product		
Endocrine disrupting potential	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Component:	Reaction mass of ethylbenzene and xylene	
Endocrine disrupting potential	:	No information available about endocrine disruption properties for environment.

12.7. Other adverse effects

Data for the product		
Additional ecological information		
Result	:	Do not flush into surface water or sanitary sewer system.

Component:	Reaction mass of ethylbenzene and xylene	
Additional ecological information		
Result	:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product	:	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging	:	Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product. Do not burn, or use a cutting torch on, the empty drum. Risk of explosion.
European Waste Catalogue Number	:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

14.1. UN number or ID number

1307

14.2. UN proper shipping name

ADR : XYLENES
RID : XYLENES
IMDG : XYLENES

14.3. Transport hazard class(es)

ADR-Class (Labels; Classification Code; Hazard Identification Number; Tunnel restriction code)	:	3 3; F1; 30; (D/E)
RID-Class (Labels; Classification Code; Hazard Identification Number)	:	3 3; F1; 30
IMDG-Class (Labels; EmS)	:	3 3; F-E, S-D

14.4. Packaging group

ADR : III
RID : III
IMDG : III

14.5. Environmental hazards

Environmentally hazardous according to ADR	:	no
Environmentally hazardous according to RID	:	no
Marine Pollutant according to IMDG-Code	:	no

14.6. Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Component:	**Reaction mass of ethylbenzene and xylene**	
EU. Chemicals Subject to PIC Procedure: Regulation 649/2012/EU on export and import of dangerous chemicals, as amended	:	; The substance/mixture does not fall under this legislation.
EU. REACH, Annex XVII, Marketing and Use Restrictions (Regulation 1907/2006/EC)	:	Point Nos.: , 3; Listed Point Nos.: , 40; Listed
EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I	:	Qualifying quantity for the application of Lower-tier requirements: 5.000 tonnes; Part 1: Categories of dangerous substances; Flammable liquids, Categories 2 or 3 not covered by P5a and P5b, The information given is valid if the product is stored below the boiling point and at a pressure of 1013 hPa. Qualifying quantity for the application of Upper-tier requirements: 50.000 tonnes; Part 1: Categories of dangerous substances; Flammable liquids, Categories 2 or 3 not covered by P5a and P5b, The information given is valid if the product is stored below the boiling point and at a pressure of 1013 hPa.

15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

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.
H350	May cause cancer.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Full text of the Notes referred to under section 3.

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.

Abbreviations and Acronyms

AU AIICL	Australia. Industrial Chemicals Act (AIIC) List
BCF	bioconcentration factor
BOD	biochemical oxygen demand
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	carcinogenic, mutagenic or toxic to reproduction
COD	chemical oxygen demand
DNEL	derived no-effect level
DSL	Canada. Environmental Protection Act, Domestic Substances List
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
ENCS (JP)	Japan. Kashin-Hou Law List
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IECSC	China. Inventory of Existing Chemical Substances
INSQ	Mexico. National Inventory of Chemical Substances
ISHL (JP)	Japan. Inventory of Industrial Safety & Health
KECI (KR)	Korea. Existing Chemicals Inventory
LC50	median lethal concentration
LOAEC	lowest observed adverse effect concentration

LOAEL	lowest observed adverse effect level
LOEL	lowest observed effect level
NDSL	Canada. Environmental Protection Act. Non-Domestic Substances List
NLP	no-longer polymer
NOAEC	no observed adverse effect concentration
NOAEL	no observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
NZIOC	New Zealand. Inventory of Chemicals
OECD	Organisation for Economic Cooperation and Development
OEL	occupational exposure limit
ONT INV	Canada. Ontario Inventory List
PBT	persistent, bioaccumulative and toxic
PHARM (JP)	Japan. Pharmacopoeia Listing
PICCS (PH)	Philippines. Inventory of Chemicals and Chemical Substances
PNEC	predicted no-effect concentration
REACH Auth. No.:	REACH Authorisation Number
REACH AuthAppC. No.	REACH Authorisation Application Consultation Number
UK REACH Auth. No.:	UK REACH Authorisation Number
UK REACH AuthAppC. No.	UK REACH Authorisation Application Consultation Number
UK REACH-Reg.No	UK REACH Registration Number
STOT	specific target organ toxicity
SVHC	substance of very high concern
TCSI	Taiwan. Existing Chemicals Inventory
TH INV	Thailand. Existing Chemicals Inventory from FDA
TSCA	US. Toxic Substances Control Act
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VN INVL	Vietnam. National Chemical Inventory
vPvB	very persistent and very bioaccumulative

Further information

Key literature references and sources for data	:	Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.
Methods used for product classification	:	The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.
Hints for trainings	:	The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National

regulations for the training of workers in the handling of hazardous materials must be adhered to.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.