

SAFETY DATA SHEET

Xylene 98+%

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

1.1. Product identifier

Trade name: Product no.: Other means of identification:

Xylene 98+% XY834 Index No.: 601-022-00-9 EC No.: 215-535-7 CAS No.: 1330-20-7

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

Relevant identified uses of the substance or mixture:Industrial purposes, Laboratory useUses advised against :None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Laboratoriumdiscounter Zandvoortstraat 75 1976BN Ijmuiden Netherlands Tel: +31 255 700 210 www.laboratoriumdiscounter.nl/en/ info@laboratoriumdiscounter.nl 24/02/2023 1.0

E-mail: Revision:

SDS Version:

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Hazard pictogram(s):





	Signal word:	Danger
	Hazard statement(s):	Flammable liquid and vapour. (H226) May be fatal if swallowed and enters airways. (H304) Harmful in contact with skin or if inhaled. (H312+H332) Causes skin irritation. (H315) Causes serious eye irritation. (H319) May cause respiratory irritation. (H335) May cause damage to organs through prolonged or repeated exposure. (H373)
	Safety statement(s):	
	General:	If medical advice is needed, have product container or label at hand. (P101) Keep out of reach of children. (P102)
	Prevention:	Do not breathe vapour/mist. (P260) Use only outdoors or in a well-ventilated area. (P271)
	Response:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310) Get medical advice/attention if you feel unwell. (P314)
	Storage:	Store locked up. (P405)
	Disposal:	Dispose of contents/container in accordance with local regulation. (P501)
	Hazardous substances:	m-xylene;xylene;o-xylene;p-xylene
	Additional labelling:	Not applicable.
2.3.	Other hazards	
	Additional warnings:	This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Identifiers	% w/w	Classification	Note
CAS No.: 1330-20-7 EC No.: 215-535-7 UK-REACH: Index No.: 601-022-00-9	95-100%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
	CAS No.: 1330-20-7 EC No.: 215-535-7 UK-REACH:	CAS No.: 1330-20-7 95-100% EC No.: 215-535-7 UK-REACH:	CAS No.: 1330-20-7 95-100% Flam. Liq. 3, H226 EC No.: 215-535-7 Asp. Tox. 1, H304 UK-REACH: Acute Tox. 4, H312 Index No.: 601-022-00-9 Skin Irrit. 2, H315

2018/605.



	STOT SE 3, H335	
	STOT RE 2, H373	

3.2. Mixtures

Not applicable. This product is a substance.

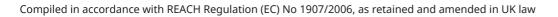
See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1.	Description of first aid measures	
	General information:	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
	Inhalation:	Upon breathing difficulties or irritation of the respiratory tract: Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.
	Skin contact:	Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
	Eye contact:	Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.
	Ingestion:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical



pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

4.3. Indication of any immediate medical attention and special treatment needed IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics:

Burns:

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice. Hazchem Code: 3Y

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation. Avoid direct contact with spilled substances. Avoid inhalation of vapours from spilled material.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth,



vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste. See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ground and bond container and receiving equipment. Use explosion-proof [electrical/lighting/ventilating] equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid direct contact with the product. Smoking, drinking and consumption of food is not allowed in the work area. See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Take action to prevent static discharges.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

agents, and strong reducing agents.

Recommended storage material:Keep only in original packaging.Storage temperature:Room temperature 15 to 25°CIncompatible materials:Strong acids, strong bases, strong oxidizing

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

m-xylene;xylene;o-xylene;p-xylene Long term exposure limit (8 hours) (ppm): 50 Long term exposure limit (8 hours) (mg/m³): 220 Short term exposure limit (15 minutes) (ppm): 100 Short term exposure limit (15 minutes) (mg/m³): 441 Annotations: BMVG = Biological Monitoring Guidance Value exists Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

m-xylene;xylene;o-xylene;p-xylene	-	
Duration:	Route of exposure:	DNEL:



-		
Long term – Systemic effects - General population	Dermal	125 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	212 mg/kg bw/day
Long term – Local effects - General population	Inhalation	65.3 mg/m ³
Long term – Local effects - Workers	Inhalation	221 mg/m ³
Long term – Systemic effects - General population	Inhalation	65.3 mg/m³
Long term – Systemic effects - Workers	Inhalation	221 mg/m ³
Short term – Local effects - General population	Inhalation	260 mg/m ³
Short term – Local effects - Workers	Inhalation	442 mg/m ³
Short term – Systemic effects - General population	Inhalation	260 mg/m ³
Short term – Systemic effects - Workers	Inhalation	442 mg/m ³
Long term – Systemic effects - General population	Oral	12.5 mg/kg bw/day

PNEC

m-xylene;xylene;o-xylene;p-xylene

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		44-327 µg/L
Freshwater sediment		2.52-12.46 mg/kg
Intermittent release (freshwater)		10-327 µg/L
Intermittent release (marine water)		1 µg/L
Marine water		4.4-327 µg/L
Marine water sediment		252-12460 µg/kg
Sewage treatment plant		1.6-6.58 mg/L
Soil		852-2310 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:	Smoking, drinking and consumption of food is not allowed in the work area.
Exposure scenarios:	There are no exposure scenarios implemented for this product.
Exposure limits:	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
Appropriate technical measures:	The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Hygiene measures:	Take off contaminated clothing and wash it before reuse.



Measures to avoid environmental exposure:

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally:

Use only UKCA marked protective equipment.

Respiratory Equipment:

Туре	Class	Colour	Standards	
A	Class 3 (High capacity)	Brown	EN14387	

Skin protection:

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	Ŕ

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Fluoropolymer elastomer (e.g. Viton®)	0,5	> 480	EN374-2, EN374-3, EN388	

Eye protection:

Туре	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

	Physical state:	Liquid
	Colour:	Colourless
	Odour / Odour threshold:	Characteristic
	рН:	Testing not relevant or not possible due to the nature of the product.
	Density (g/cm³):	0.86
	Kinematic viscosity:	Testing not relevant or not possible due to the nature of the product.
	Particle characteristics:	Does not apply to liquids.
Phase	changes	
	Melting point/Freezing point (°C):	-47,8
	Softening point/range (waxes and pastes) (°C):	Does not apply to liquids.
	Boiling point (°C):	139.1
	Vapour pressure:	8.21 hPa (20 °C)



Relative vapour density:Testing not relevant or not possible due to
the nature of the product.Decomposition temperature (°C):Testing not relevant or not possible due to
the nature of the product.Data on fire and explosion hazardsFlash point (°C):flammable liquid according to GHS criteria

flammable liquid according to GHS criteria The material is ignitiable.

Testing not relevant or not possible due to

Testing not relevant or not possible due to

463

1.1 - 7

Solubility in water:

Solubility

Flammability (°C):

n-octanol/water coefficient:

Auto-ignition temperature (°C):

Lower and upper explosion limit (% v/v):

Solubility in fat (g/L):

9.2. Other information

Other physical and chemical parameters:

SECTION 10: STABILITY AND REACTIVITY

- **10.1. Reactivity** No data available.
- **10.2.** Chemical stability The product is stable under the conditions, noted in section 7 "Handling and storage".
- **10.3.** Possibility of hazardous reactions None known.
- 10.4. Conditions to avoid Avoid static electricity. Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.
- **10.5. Incompatible materials** Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.
- **10.6.** Hazardous decomposition products The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Harmful in contact with skin. Harmful if inhaled.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

No data available.

the nature of the product.

the nature of the product.

156 mg/ 25 °C



Causes serious eye irritation.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties

Not applicable.

Other information

m-xylene;xylene;o-xylene;p-xylene has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No data available.

- **12.2.** Persistence and degradability No data available.
- **12.3. Bioaccumulative potential** No data available.
- **12.4. Mobility in soil** No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.



12.6. Endocrine disrupting properties Not applicable.

12.7. Other adverse effects None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 3 - Flammable

HP 4 - Irritant (skin irritation and eye damage)

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 6 - Acute toxicity

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

Not applicable.

Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1307	XYLENES	Class: 3 Labels: 3 Classification code: F1	III	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1307	XYLENES	Class: 3 Labels: 3 Classification code: F1	III	No	Limited quantities: 5 L EmS: F-E S-D See below for additional information.
ΙΑΤΑ	UN1307	XYLENES	Class: 3 Labels: 3 Classification code: F1	III	No	See below for additional information.



	14.2 UN proper shipping name	14.3 Hazard class(es)		Other information:

* Packing group

** Environmental hazards

Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods. Hazchem Code: 3Y

14.6. Special precautions for user Not applicable.

14.7. Maritime transport in bulk according to IMO instruments No data available.

SECTION 15: REGULATORY INFORMATION

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

People under the age of 18 shall not be exposed to this product. Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.
No specific requirements.
P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper- tier): 50.000 tonnes
Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.
The Management of Health and Safety at Work Regulations 1999. The Health and Safety at Work etc. Act 1974 Regulations 2013. Control of Major Accident Hazards (COMAH) Regulations 2015. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and



amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

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.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as

modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration



RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials VOC = Volatile Organic Compound

vOC = Volatile Organic Compound vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

Laboratoriumdiscounter

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification. Country-language: GB-en