



Trade name: Xylolum

Substance number: 157500

Version: 2 / CH

Date revised: 24.08.10

Replaces Version: 1 / CH

Date of printing: 01.05.12

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Xylolum
Item-No. 15750000

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG
Industriestrasse 35
9101 Herisau
Telephone no. 0041 (0)71 353 58 58
E-mail address of person responsible for this SDS
sdb@haenseler.ch

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3	H226
Acute Tox. 4	H332
Acute Tox. 4	H312
Skin Irrit. 2	H315

Classification in accordance with EC directives

Classification R10
Xn, R20/21
Xi, R38

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Warning

Hazard statements

H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H315	Causes skin irritation.

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.



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P243 Take precautionary measures against static discharge.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
 Rinse skin with water/shower.
 P403+P235 Store in a well-ventilated place. Keep cool.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

Harmful

R phrases

20/21 Harmful by inhalation and in contact with skin.
 38 Irritating to skin.
 10 Flammable.

S phrases

2 Keep out of the reach of children.
 25 Avoid contact with eyes.

Hazardous component(s) to be indicated on label

contains Xylene

3. Composition/information on ingredients**Registration no.**

EC No.: 215-535-7

Hazardous ingredients**Xylene**

CAS No.	1330-20-7			
EINECS no.	215-535-7			
Concentration		>=	50	%
Classification	Xn, R20/21 Xi, R38 R10			

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2	H315
Flam. Liq. 3	H226
Acute Tox. 4	H332
Acute Tox. 4	H312

4. First aid measures**4.1. Description of first aid measures****General information**

Remove affected person from danger area, lay him down. Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. Poisonous symptoms can first be observed after several hours, therefore medical observation for at



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least 48 hours is necessary.

After inhalation

Ensure supply of fresh air. Keep warm and at rest. Irregular breathing/no breathing: artificial respiration. In the event of symptoms take medical treatment. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Eye treatment by an Oculist.

After ingestion

Do not induce vomiting. Summon a doctor immediately. Rinse out mouth and give plenty of water to drink. Administer activated charcoal.

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

Irritating to respiratory system. Headache, Dizziness, Dizziness, Unconsciousness, CNS depression

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

5. Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Extinguish greater fire with alcohol-resistant foam.

Non Suitable extinguishing media

Water

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); In case of combustion, evolution of health hazardous partially burned gases which in combination with air are capable of explosion.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear full protective suit.

Other information

Cool endangered containers with water spray jet.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Keep away unprotected persons.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers). Advise water authority if spillage has entered water course or drainage system. Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder). When picked up, treat material as prescribed under heading "Disposal". Provide adequate ventilation.



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7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Provide good room ventilation even at ground level (vapours are heavier than air). Provide suitable exhaust ventilation at processing machines. Keep container tightly closed. Avoid formation of aerosols.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking. Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Use explosion-proof equipment/fittings and non-sparking tools. Risk of explosion if the liquid enters the drains.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Provide solvent-resistant and impermeable floor. explosion proof

Hints on storage assembly

Do not store together with: Acids, Oxidizing agents

Further information on storage conditions

Keep container tightly closed, cool and dry. Protect from heat and direct sunlight.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Xylene

List SUVA

Type MAK

Value 435 mg/m³ 100 ppm(V)

Short term exposure limit 870 mg/m³ 200 ppm(V)

Maximum limit value: 4x15; Skin resorption / sensibilisation: H; Pregnancy group: D; Status: 2005;

Remarks: B

8.2. Exposure controls

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Avoid contact with eyes and skin. Do not inhale gases. Do not inhale vapours. Do not inhale aerosols. At work do not eat, drink, smoke or take drugs.

Respiratory protection

Not necessary. Provide adequate ventilation. Breathing apparatus in the event of aerosol or mist formation. Gas filter class A1.

Hand protection

Gloves (solvent-resistant)

Appropriate Material Fluoro carbon rubber - FKM

Material thickness 0.4 mm

Penetrating time >= 8 h

Not suitable: gloves of natural latex

Not suitable: gloves of polychloroprene

Not suitable: gloves of nitrile rubber - NBR

Not suitable: gloves of butyl rubber - Butyl

Not suitable: PVC gloves



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Not suitable: leather gloves
Not suitable: gloves made of thick material

Eye protection

Tightly fitting safety glasses

Body protection

Solvent-resistant protective clothing

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	liquid		
Colour	colourless		
Odour	aromatic		
pH			
Value	1.497		
Temperature	20	°C	
Melting point			
Value	-50		°C
method	DIN 51761		
Source	Safety Data Sheet Supplier		
Boiling point			
Value	137	to	143 °C
method	DIN 51761		
Source	Safety Data Sheet Supplier		
Flash point			
Value	24		°C
method	DIN 51755		
Source	Safety Data Sheet Supplier		
Explosion limits			
Lower explosion limit	1.0		%(V)
Upper explosion limit	7.5		%(V)
Vapour pressure			
Value	7	to	9 hPa
Temperature	20	°C	
Source	Safety Data Sheet Supplier		
Density			
Value	0.860		g/cm ³
Temperature	20	°C	
method	DIN 51757		
Source	Safety Data Sheet Supplier		
Solubility in water			
Value	0.2		g/l
Temperature	20	°C	
Source	Safety Data Sheet Supplier		
Octanol/water partition coefficient (log Pow)			
pOW	to	3.1	
log Pow	to	3.2	
Source	Safety Data Sheet Supplier		
Ignition temperature			
Value	460	to	490 °C



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Source Safety Data Sheet Supplier

Viscosity**dynamic**

Value 0.75 mPa.s

Temperature 20 °C

method DIN 51550

Source Safety Data Sheet Supplier

kinematicValue 0.85 mm²/s

Temperature 20 °C

Source Safety Data Sheet Supplier

9.2. Other information**Other information**

Forms explosive mixture with air are possible.

10. Stability and reactivity**10.4. Conditions to avoid**

Protect from heat/overheating.

10.5. Incompatible materialsStrong oxidising agents, Acids, Formation of explosive gas/air mixtures. Reactions with strong acids.
Reactions with strong oxidising agents.**10.6. Hazardous decomposition products**

Flammable gases/vapours

Other information

Vapours and gases can form an explosive mixture with air.

11. Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**Species rat
LD50 2840 mg/kg**Acute dermal toxicity**Species rabbit
LD50 4500 mg/kg**Acute inhalational toxicity**Species rat
LC50 6350 mg/l
Duration of exposure 4 h**Skin corrosion/irritation**

Remarks Irritating effects on the skin and mucous membrane.

Serious eye damage/irritation

Remarks Irritates the eyes.

Sensitization

Remarks No sensitisation effect known.

Subacute, subchronic, chronic toxicity

Remarks Repeated absorption/exposure may cause disorder of central nervous



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Remarks system, liver, kidneys and blood.
Chronic exposure may cause serious damage of skin.

12. Ecological information

12.1. Toxicity

Fish toxicity

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	14		mg/l
Duration of exposure	96	h	
Species	golden orfe (<i>Leuciscus idus</i>)		
LC50	86		mg/l
Duration of exposure	48	h	

Daphnia toxicity

Species	Daphnia magna		
EC50	165		mg/l
Duration of exposure	24	h	

12.2. Persistence and degradability

Biodegradability

Remarks The product is biodegradable.

12.3. Bioaccumulative potential

Octanol/water partition coefficient (log Pow)

pOW	to	3.1
log Pow	to	3.2
Source	Safety Data Sheet Supplier	

12.6. Other adverse effects

Behaviour in environment compartments.

Because of the n-octanol/water distribution coefficient (log pOW) accumulation in organisms is possible.

General information / ecology

Harmful to aquatic organisms. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Hazard for drinking water supplies.

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code	No not dispose with rubbish.
EWC waste code	Should not be released into the sanitary sewer system.
Recovery or recycling, if possible. Otherwise: combustion in incineration plant.	

Disposal recommendations for packaging

Unpurified packings can contain mixtures of gas and air which are capable of explosion.
Disposal in compliance with local and national regulations.

14. Transport information

Land transport ADR/RID

14.1. UN number

UN 1307

14.2. UN proper shipping name

XYLENES



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Danger releasing substance Xylene

14.3. Transport hazard class(es)

Class 3

Label 3

14.4. Packing group

Packing group III

Marine transport IMDG/GGVSee**14.1. UN number**

UN 1307

14.2. UN proper shipping name

XYLENES

Danger releasing substance Xylene

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

Air transport ICAO/IATA**14.1. UN number**

UN 1307

14.2. UN proper shipping name

XYLENES

Danger releasing substance Xylene

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

15. Regulatory information**16. Other information****R-phrases listed in chapter 3**

10	Flammable.
20/21	Harmful by inhalation and in contact with skin.
38	Irritating to skin.

Hazard statements listed in chapter 3

H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.