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## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name: XYLENE 98-99% (MIXTURE OF ISOMERS)

**CAS number:** 1330-20-7  
**EINECS number:** 215-535-7  
**Synonyms:** XYLENES

Brand: Solmedia Ltd

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

Identified uses – PC21: Laboratory chemicals.

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

- Name of Supplier: Solmedia Ltd.  
 - Address of Supplier: Unit 2, Vernon Drive  
 Battlefield Enterprise Park  
 Shrewsbury  
 SY1 3TF  
 UK  
 - Telephone: 0844 80 80 900  
 - Email: [labsupplies@solmedialtd.com](mailto:labsupplies@solmedialtd.com)

#### 1.4 Emergency telephone number

Emergency Phone # +44 (0)844 80 80 900

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification under CHIP:** R10; Xn: R20/21; Xi: R38

**Classification under CLP:** Flam. Liq. 3: H226; Acute Tox. 4: H312+332; Skin Irrit. 2: H315; STOT SE 3: H335; STOT RE 2: H373; Asp. Tox. 1: H304

**Most important adverse effects:** Flammable liquid and vapour. May be fatal if swallowed and enters airways. Harmful in contact with skin or if inhaled. Causes skin irritation. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure.

#### 2.2 Label elements

**Label elements under CLP:**

**Hazard statements:** H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.  
H312+332: Harmful in contact with skin or if inhaled.  
H315: Causes skin irritation.  
H335: May cause respiratory irritation.  
H373: May cause damage to organs through prolonged or repeated exposure.

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame  
GHS07: Exclamation mark  
GHS08: Health hazard



**Precautionary statements:**

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P331: Do NOT induce vomiting.  
P370+378: In case of fire: Use dry powder or dry sand for extinction.

## 2.3 Other hazards

**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.

**PBT:** This product is not identified as a PBT/vPvB substance.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

**Chemical identity:** XYLENE 98-99% (MIXTURE OF ISOMERS)  
**CAS number:** 1330-20-7  
**EINECS number:** 215-535-7  
**Contains: Molecular Formula :** C<sub>8</sub>H<sub>10</sub>  
**Molecular Weight :** 106.17 g/mol

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Wash out mouth with water. Consult a doctor.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

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

**Skin contact:** No data available

**Eye contact:** No data available

**Ingestion:** No data available

**Inhalation:** No data available

**Delayed / immediate effects:** Prolonged or repeated exposure to skin causes defatting and dermatitis.

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

No data available

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Dry chemical powder. Dry sand.

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

Not applicable

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus

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### SECTION 6: Accidental release measures

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

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Eliminate all sources of ignition. Evacuate the area immediately. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Refer to section 8 of SDS for personal protection details.

#### 6.2 Environmental precautions

Do not discharge into drains or rivers.

#### 6.3 Methods and materials for containment and cleaning up

Clean-up procedures: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. (see section 13)

## 6.4 Reference to other sections

Refer to section 13 of SDS

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Handling requirements:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

No special requirement.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min STEL	8 hour TWA	15 min STEL
EU	220 mg/m <sup>3</sup>	441 mg/m <sup>3</sup>	221 mg/m <sup>3</sup>	442 mg/m <sup>3</sup>

**DNEL / PNEC** No data available.

### 8.2 Exposure controls

**Engineering measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:**

Full contact

Material: Fluorinated rubber

Minimum layer thickness: 0.7 mm

Break through time: 480 min Splash contact

**Eye protection:** Face-shield. Safety glasses.

**Skin protection:** Complete suit protecting against chemicals. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Environmental:** Do not let product enter drains.

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

**State:** Liquid  
**Colour:** Colourless  
**Boiling point/range°C:** 137 - 140  
**Melting point/range°C:** < 0  
**Flammability limits %:** lower: 1.1  
upper: 7  
**Flash point°C:** 25  
**Relative density:** 0.86 g/ml

**9.2 Other safety information**

Not applicable

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under normal conditions

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

Heat. Flames. Sources of ignition.

**10.5 Incompatible materials**

Strong oxidising agents.

**10.6 Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides  
Other decomposition products - No data available  
In the event of fire: see section 5

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Route	Species	Test	Value	Units
ORAL	RAT	LD50	3,523	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH DRM	Based on test data
Skin corrosion/irritation	DRM	Based on test data
STOT-single exposure	INH	Based on test data
STOT-repeated exposure	-	Based on test data
Aspiration hazard	-	Based on test data

### Symptoms / routes of exposure

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** Prolonged or repeated exposure to skin causes defatting and dermatitis.

**Other information:** After absorption:

Systemic effects

Headache, somnolence, Dizziness, euphoria, agitation, spasms,  
respiratory paralysis, Unconsciousness, narcosis, inebriation

## 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 product is not identified as a PBT/vPvB substance.

### 12.6 Other adverse effects

Toxic to aquatic organisms.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Disposal operations:** Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

**Recovery operations:** Not applicable.

**Disposal of packaging:** Dispose of as unused product.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14: Transport information

### 14.1 UN number

UN1307

### 14.2 UN proper shipping name

**ADR/RID:** XYLENES

**IMDG:** XYLENES

**IATA:** Xylenes

### 14.3 Transport hazard class(es)

3

### 14.4 Packaging group

3

### 14.5 Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6 Special precautions for user

No special precautions

## SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

### 15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## SECTION 16: Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:**

- H226: Flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H312+332: Harmful in contact with skin or if inhaled.
- H315: Causes skin irritation.
- H335: May cause respiratory irritation.
- H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
- R10: Flammable.
- R20/21: Harmful by inhalation and in contact with skin.
- R38: Irritating to skin.

### Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.