



## SAFETY DATA SHEET

### Xylene

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**PRODUCT NAME** Xylene  
**PRODUCT NO.** XYLFBUL  
**APPLICATION** Industrial solvent.  
**SUPPLIER**  
 SHL Manufacturing Limited  
 Unit 1B Old Street  
 Wimborne  
 BH21 4DB  
 info@shluk.biz

**EMERGENCY TELEPHONE** 01258 858130

#### 2 HAZARDS IDENTIFICATION

**CLASSIFICATION (1999/45)** Xn;R20/21. Xi;R38. R10.

**CLASSIFICATION (EC 1272/2008)**

Physical	Flam. Liq. 3 - H226
Health	Acute Tox. 4 - H312;Acute Tox. 4 - H332;Skin Irrit. 2 - H315
Environmental	Not classified.

**LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008**



**SIGNAL WORD** Warning

**CONTAINS** XYLENE

**HAZARD STATEMENTS**

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

**PRECAUTIONARY STATEMENTS**

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261e	Avoid breathing vapours.
P264a	Wash contaminated skin thoroughly after handling.
P280a	Wear protective gloves.
P403/235	Store in a well-ventilated place. Keep cool.
P501D	Empty containers may contain residual product and vapours. Do not cut or weld on or near empty containers. Disposal should only be by means of a licensed waste disposal contractor.

**SUPPLEMENTARY PRECAUTIONARY STATEMENTS**

P302/352	IF ON SKIN: Wash with plenty of soap and water.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P301/P331/P315 If SWALLOWED: Do NOT induce vomiting. Get immediate medical advice/attention.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

XYLENE		80-95%
CAS-No.: 1330-20-7	EC No.: 215-535-7	
CLASSIFICATION (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	CLASSIFICATION (67/548) R10 Xn;R20/21 Xi;R38	
ETHYLBENZENE		5-20%
CAS-No.: 100-41-4	EC No.: 202-849-4	
CLASSIFICATION (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 4 - H332	CLASSIFICATION (67/548) F;R11 Xn;R20	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

## 4 FIRST-AID MEASURES

### GENERAL INFORMATION

Remove affected person from source of exposure. Provide fresh air, first-aid, warmth and rest.  
Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

### INHALATION

If unconscious place patient on their side in the recovery position and ensure they are breathing. Clean nose and mouth with water.

Artificial respiration may be administered by suitably qualified first-aiders.

Get medical attention if symptoms persist.

### INGESTION

If swallowed do NOT induce vomiting.

Never give anything by mouth to an unconscious person. Rinse mouth thoroughly and seek medical attention if discomfort persists. Keep patient under observation.

### SKIN CONTACT

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and running water. Take especial care to clean folds, crevices, creases and groin.

Get medical attention if irritation persists or develops.

Launder clothing and clean shoes thoroughly before re-use.

### EYE CONTACT

Check for contact lenses which must be removed from the eyes before rinsing.

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get medical attention if any discomfort or irritation persists.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use CO<sub>2</sub>, dry powder, foam, or water fog, mist or spray, Do not use high pressure water jet as this may spread burning material.

### UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

### SPECIFIC HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

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## PROTECTIVE MEASURES IN FIRE

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Ventilate to dispel residual vapour. Clean-up personnel should use respiratory protection, gloves, goggles and protective clothing and footwear. (see section 8)

### ENVIRONMENTAL PRECAUTIONS

Do not allow spilled material to enter drains or water courses.

Cover all drains and sewers. Avoid spreading spilled material. Contain spillages with sand, earth or suitable absorbent material. Prevent further spillage if safe to do so.

In the event of contamination of watercourses or sewers advise the Environment Agency, fire brigade and police.

### SPILL CLEAN UP METHODS

Absorb in vermiculite, sand, diatomaceous earth or other absorbent inert material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Eye wash facilities and emergency shower must be available when handling this product. Use only in well ventilated areas.

Avoid spilling, skin and eye contact. Do not breathe vapour or fumes.

Use suitable protective clothing. (see section 8). Wash thoroughly after handling.

### STORAGE PRECAUTIONS

Keep away from all possible sources of ignition.

Store in tightly closed containers in segregated, cool, dry, ventilated storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ETHYLBENZENE	WEL	100 ppm	441 mg/m <sup>3</sup>	125 ppm	552 mg/m <sup>3</sup>	Sk
XYLENE	WEL	50 ppm	220 mg/m <sup>3</sup>	100 ppm	441 mg/m <sup>3</sup>	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROCESS CONDITIONS

Provide eyewash station.

### ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

### RESPIRATORY EQUIPMENT

If ventilation is insufficient suitable respiratory protection must be provided.

Seek recommendations and advice from equipment manufacturer or supplier.

### HAND PROTECTION

Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. After using gloves the hands should be washed and dried thoroughly and a suitable moisturiser applied.

### EYE PROTECTION

Wear tightly fitting safety goggles conforming to EN166

### OTHER PROTECTION

Minimise all forms of skin contact. Overalls and footwear with oil and chemical resistant soles should be worn. Launder overalls and undergarments regularly.

### HYGIENE MEASURES

Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Contaminated work clothes should be removed and laundered before re-use.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

# Xylene

APPEARANCE	Liquid		
COLOUR	Colourless		
ODOUR	Aromatic.		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	137 to 143°C	MELTING POINT (°C)	-24°C
RELATIVE DENSITY	0.86 @ 20°C	VAPOUR DENSITY (air=1)	3.7
VAPOUR PRESSURE	1.3 mbar 20°C	EVAPORATION RATE	0.7 (BAC=1)
VOLATILE BY VOL. (%)	100	VISCOSITY	0.6 mPas 25°C
FLASH POINT (°C)	25°C CC (Closed cup).	AUTO IGNITION TEMPERATURE (°C)	480°C
FLAMMABILITY LIMIT - LOWER(%)	1%	FLAMMABILITY LIMIT - UPPER(%)	9%

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal conditions of storage and use. See section 7.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### MATERIALS TO AVOID

Strong acids. Strong oxidising substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

In fires or in conditions of excessive heat may give off toxic fumes and gases.

## 11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 4300 mg/kg (oral rat)

### INHALATION

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

### INGESTION

Gastrointestinal symptoms, including upset stomach.

### SKIN CONTACT

Irritating to skin. May be absorbed through the skin.

### EYE CONTACT

Irritating and may cause redness and pain.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product is not expected to be hazardous to the environment.

### MOBILITY

Contamination will evaporate from the surface of water and soils.

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Product is hazardous waste. Do not allow into drains, sewers or water courses. Disposal must be by means of a licensed waste contractor.

### DISPOSAL METHODS

Vent container thoroughly. Do not puncture, cut or weld on or near drums. Empty drums should be sent for recovery or for metal reclamation.

## 14 TRANSPORT INFORMATION

# Xylene



UK ROAD CLASS	3	UK ROAD PACK GR.	III
PROPER SHIPPING NAME	XYLENES	ADR CLASS	Class 3: Flammable liquids.
PROPER SHIPPING NAME	(XYLENE, ETHYLBENZENE)	TUNNEL RESTRICTION CODE	(D/E)
UN NO. ROAD	1307	ADR LABEL NO.	3
ADR CLASS NO.	3	CEPIC TEC(R) NO.	30GF1-III
ADR PACK GROUP	III	RID PACK GROUP	III
HAZARD No. (ADR)	30	IMDG CLASS	3
HAZCHEM CODE	3Y	IMDG PACK GR.	III
RID CLASS NO.	3	MARINE POLLUTANT	No.
UN NO. SEA	1307	AIR CLASS	3
IMDG PAGE NO.	3		
EMS	F-E, S-D		
UN NO. AIR	1307		
AIR PACK GR.	III		

## 15 REGULATORY INFORMATION

### EU DIRECTIVES

Regulation (EC) No 1272/2008: CLP (Classification, labelling and packaging of substances and mixtures).

### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

### GUIDANCE NOTES

Assessing and managing the risks at work from skin exposures to chemical agents. HSG 205.

## 16 OTHER INFORMATION

### REVISION COMMENTS

Comprehensive revision.

GHS information added.

### RISK PHRASES IN FULL

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R11	Highly flammable.
R38	Irritating to skin.

### HAZARD STATEMENTS IN FULL

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.

## DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.