



XYLENE

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its Amendment Regulation (EC) No. 1272/2008 (CLP) and EU 2020/878

Printing Date 18. 09. 2025

Version Number 01

Revision: 18. 09. 2025

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

1.1 Product identifier

Trade name: Xylene

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

Application of the substance / the mixture: Binders and release agents, Polymer production and processing, Oil and gas drilling and production operations, Manufacturing and distribution of substances, Intermediates and formulation/repacking of substances and mixtures, Cleaning and washing agents, additives, and coatings, Lubricants, fuel additives, and laboratory chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

OWL WATERPROOFING SOLUTIONS

135 Slaney Road, Dublin Industrial Estate

Glasnevin, Dublin 11

Tel: +353 01 830 2250

Email: info@owlwaterproofing.co.uk

Website: www.owlwaterproofing.co.uk

1.4 Emergency telephone number:

European Emergency Tel.: +353 01 830 2250

SECTION 2: Hazards identification

2.1 Substance or Mixture Classification

Classification as per Regulation (EC) No 1272/2008 (CLP):

GHS02



Flammable liquids. 3 (H226)

GHS07



Skin Irrit. 2 (H315): Causes skin irritation.

Eye Irrit. 2 (H319): Causes serious eye irritation.

GHS08



Aspiration hazard. 1 (H304):

2.2 Label Elements

Labelling in Accordance with Regulation (EC) No 1272/2008 (CLP): Classified and labelled according to the CLP regulation.

Hazard Pictograms: GHS02 GHS07 GHS08





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Signal Word: Warning

Hazard Statements:

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H312+H332: Harmful in contact with skin or if inhaled.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary Measures:

P101: If medical advice is needed, have product container or label at hand.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260: Do not breathe vapours.

P280: Wear protective clothing, eye protection, face protection, protective gloves.

P301+P310 - IF SWALLOWED: Immediately call a doctor.

P331: Do NOT induce vomiting. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 3: Composition/information on ingredients

Substance type: UVCB

CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216-32	100%
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SECTION 4: First aid measures

4.1 General Advice

Seek medical attention or call a poison center if feeling unwell.

Inhalation

Move the person to fresh air and keep them comfortable.

Seek medical attention if symptoms persist.

Skin Contact

Remove contaminated clothing.

Rinse skin thoroughly with water or shower.

If irritation occurs, get medical advice.

Eye Contact

Rinse eyes with plenty of water as a precaution.



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Ingestion

Rinse mouth with water; do NOT induce vomiting.

Seek immediate medical attention.

4.2 Symptoms and Effects

General: May damage organs with prolonged or repeated exposure.

Inhalation: May cause respiratory irritation, coughing, dizziness, headache, nausea, or shortness of breath.

Skin: Harmful in contact, may cause irritation, redness, itching, blistering, or cracking.

Eyes: May cause serious irritation, redness, itching, or tearing.

Ingestion: May cause nausea or vomiting; harmful if swallowed.

4.3 Special Treatment Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing Media

Suitable: Dry chemical, CO₂, dry sand, or alcohol-resistant foam.

Unsuitable: Avoid using a heavy water stream.

5.2 Special Hazards

Fire Hazard: Flammable liquid and vapour; vapours heavier than air may travel and ignite at a distance. Heating can cause fire or explosion.

Explosion Risk: Vapours may form explosive mixtures with air.

Hazardous Decomposition: Carbon monoxide, carbon dioxide, and toxic fumes may be released.

5.3 Firefighting Instructions

Precautions: Stop leaks if safe; cool exposed containers with water spray. Prevent contaminated water from entering the environment.

Instructions: Evacuate area; use water mist for cooling only.

Protection: Firefighters must wear full protective gear and self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 General Measures

Evacuate the area. Avoid static discharge and ignition sources.

Non-Emergency Personnel

Stay upwind. Avoid breathing vapours or contact with skin/eyes.

Ventilate the area; eliminate all flames, sparks, and ignition sources.

Emergency Responders

Wear protective clothing, gloves, goggles, and a respirator with filter type A.

6.2 Environmental Precautions

Prevent entry into drains, surface water, or groundwater.

6.3 Containment & Cleanup

Contain spills with non-combustible materials such as sand or earth.

Absorb liquids with inert material; dispose of residues at approved facilities.



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SECTION 7: Handling and storage

7.1 Safe Handling

Keep away from heat, sparks, flames, and hot surfaces. No smoking.

Use explosion-proof and non-sparking tools; ground containers to prevent static discharge.

Ensure good ventilation; avoid inhaling vapours, mist, or fumes.

Wear appropriate protective equipment; prevent contact with skin, eyes, and clothing.

Wash hands after handling; launder contaminated clothing before reuse.

Do not eat, drink, or smoke while using this product.

7.2 Storage Conditions

Store in original, tightly closed containers in a cool, well-ventilated area.

Keep away from heat sources, strong oxidizers, and acids.

7.3 Specific End Use(s)

No additional information available.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control Parameters

Xylene (CAS 1330-20-7):

Ireland OEL: TWA 221 mg/m³ (50 ppm), STEL 442 mg/m³ (100 ppm)

UK WEL: TWA 220 mg/m³ (50 ppm), STEL 441 mg/m³ (100 ppm)

Biological Limit (UK): 650 mmol/mol Creatinine (methyl hippuric acid, urine, post-shift)

DNEL (Workers):

Acute (inhalation): 289 mg/m³

Long-term (inhalation): 77 mg/m³

Long-term (dermal): 180 mg/kg bw/day

DNEL (General Population):

Acute (inhalation): 174 mg/m³

Long-term (oral): 1.6 mg/kg bw/day

Long-term (inhalation): 14.8 mg/m³

Long-term (dermal): 108 mg/kg bw/day

PNEC:

Freshwater/Marine: 0.327 mg/l

Sediment: 12.46 mg/kg dwt

Soil: 2.31 mg/kg dwt

STP: 6.58 mg/l

8.2 Exposure Controls

Engineering Controls

Ensure adequate ventilation in all work areas, use explosion-proof equipment.

Eye Protection: Safety glasses with side shields (EN 166).





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Skin Protection: Protective clothing; gloves (Nitrile, Butyl, PVC) with ≥ 0.44 mm thickness, ≥ 240 min breakthrough time (EN 374-2).

Respiratory Protection: Aerosol mask with ABEK filter for vapour/liquid particles (EN 14387, EN 143).

Environmental Controls: Prevent release into the environment.



SECTION 9: Physical and chemical properties

9.1 Primary physical and chemical properties

Physical state	Liquid
Colour:	Colourless
Odour:	Aromatic
Odour threshold	Not determined
Molecular mass	106.2 g/mol
Melting point:	-95 °C to 13°C
Freezing point	Not determined
Boiling point	138°C
Flammable	Not determined
Lower explosion limit	1 vol %
Upper explosion limit	7.1 vol %
Flash point	> 23 °C
Auto-ignition temperature	432 – 528 °C
Decomposition temperature	Not determined



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pH	7
Viscosity kinematic	Not determined
Solubility	Water: 106 mg/l
Partition coefficient n-octanol/water (Log Kow)	Not determined
Partition coefficient n-octanol/water (Log Pow)	3.1
Vapour pressure Vapour pressure at 50°C	6.5 – 9.5 hPa Not determined
Density (20°C)	0.86 – 0.88 kg/l
Relative density Relative vapour density at 20°C	Not determined Not determined
Particle characteristics	Not determined

9.2 Other Information No further relevant information available.

SECTION 10: Stability and reactivity

Reactivity: Flammable liquid and vapour

Stability: May generate flammable/explosive vapour-air mixtures.

Hazardous Reactions: Stable under normal use.

Avoid: Heat, sparks, flames, ignition sources. No smoking.

Incompatibilities: Strong acids, oxidizing agents.

Decomposition Products: None expected under normal conditions.

SECTION 11: Toxicological information

Acute Toxicity:

- Oral: Not classified; Xylene LD50 (rat): 3523 mg/kg
- Dermal: Harmful in contact with skin; LD50 (rabbit): 12126 mg/kg; LD50 >5000 mg/kg
- Inhalation: Harmful if inhaled; LC50 (rat, dust/mist): >10000 mg/l

Skin Corrosion/Irritation: Causes skin irritation (pH 7)

Eye Damage/Irritation: Causes serious eye damage (pH 7).

Respiratory/Skin Sensitisation: Not classified



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Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

STOT – Single Exposure: May cause respiratory irritation

STOT – Repeated Exposure: May cause organ damage with prolonged exposure; LOAEL (oral, rat, 90 days): 150 mg/kg (OECD 408, EPA OPP 82-1)

Aspiration Hazard: May be fatal if swallowed and enters airways

Other Hazards: No additional information available

SECTION 12: Ecological information

12.1 Toxicity

Product not classified as harmful to aquatic life or the environment.

LC50 (96h)	2.6–4.1 mg/l (Fish) (<i>Oncorhynchus mykiss</i>)
EC50	1–3.4 mg/l (Crustacea) (<i>Ceriodaphnia dubia</i>)
EC50 (72h)	2.2 mg/l (Algae)
LOEC (21d)	3.16 mg/l (<i>Daphnia magna</i>)
NOEC (56d)	>1.3 mg/l (Fish)
NOEC	0.96 mg/l (Crustacea)
EC10	0.44 mg/l (Algae)

12.2 Persistence & Degradability Not readily biodegradable; no additional data available.

12.3 Bioaccumulation Xylene log Pow: 3.1 (Potential for bioaccumulation).

12.4 Mobility in Soil No data available.

12.5 PBT / vPvB Assessment No data available.

12.6 Endocrine Disruption No data available.

12.7 Other Effects No data available.

SECTION 13: Disposal considerations

Waste Treatment: Dispose of product and container according to local regulations and licensed waste handler instructions.

Additional Information: Containers may contain flammable vapours; handle with care.



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SECTION 14: Transport information

UN number or ID number ADR, IMDG, IATA, ADN, RID	UN 1307
UN proper shipping name ADR, IMDG, IATA, ADN, RID	XYLENES
Transport Hazard Class ADR, IMDG, IATA, ADN, RID 	3 (Flammable liquids)
Transport Details ADR IMDG IATA ADN/ RID	UN 1307 XYLENES, 3, III, (D/E) UN 1307 XYLENES, 3, III (23°C c.c.), not a marine pollutant UN 1307 XYLENES, 3, III UN 1307 XYLENES, 3, III
Packing Group ADR, IMDG, IATA, ADN, RID	III
Environmental Hazards: ADR, IMDG, IATA, ADN, RID	Not classified as dangerous for the environment; not a marine pollutant.
Special Transport Provisions	
Limited quantities	5 L
Excepted quantities	E1



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Packing instructions:	P001, IBC03, LP01, R001
Tank instructions:	T2, TP1
Flash Point:	23–30°C (Closed cup)
Road / Rail (ADR / RID)	
Tunnel Restriction Code:	D/E
Transport Category:	3
Hazard Identification Number:	30
Mixed Packing Provisions:	MP19
Tank Code:	LGBF
Sea Transport (IMDG)	
Marine Pollutant:	No
EmS:	F-E (Fire), S-D (Spillage)
Stowage Category:	A
Explosive Limits:	1.1% – 7%
Properties:	Immiscible with water
Air Transport (IATA)	
Passenger Aircraft: Limited Quantity: Packing Instruction:	Y344, Max: 10 L 355, Max: 60 L



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Cargo Aircraft: Packing Instruction	366, Max: 220 L
Special Provisions:	A3
ERG Code	3L
Inland Waterway Transport (ADN)	
Carriage Permitted:	T
Required Equipment:	PP, EX, A
Ventilation:	VE01
Overland Transport (ADR)	
Mixed Packing Provisions:	MP19
Tank Code:	LGBF
Vehicle for Tank Carriage:	FL
Package Provisions:	V12
Operational Provisions:	S2
Markings:	Orange Plates 30 1307
EAC Code:	3Y
Maritime transport (IMO instrument)	Not determined



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SECTION 15: Regulatory Information

REACH (Annex XVII, XIV, SVHC): Not listed

PIC, POP, Ozone, Explosives & Drug Precursors Regulations: No substances listed

National Regulations: No additional information

Chemical Safety Assessment: Not performed

SECTION 16: Other information

The information provided here reflects our current understanding. It does not serve as a guarantee of specific product properties, nor does it create a legally binding agreement.

Department issuing SDS:



OWL WATERPROOFING SOLUTIONS

135 Slaney Road, Dublin Industrial Estate

Glasnevin, Dublin 11

Tel: +353 01 830 2250

Email: info@owlwaterproofing.co.uk

Website: www.owlwaterproofing.co.uk

Version number of previous version: 0

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

ATE: Acute Toxicity Estimate

BCF: Bioconcentration factor

BLV: Biological limit value

BOD: Biochemical oxygen demand (BOD)

COD: Chemical oxygen demand (COD)

DMEL: Derived Minimal Effect level

DNEL: Derived-No Effect Level

EC-No.: European Community number

EC50: Median effective concentration

EN: European Standard

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

LOAEL: Lowest Observed Adverse Effect Level

NOAEC: No-Observed Adverse Effect Concentration

NOAEL: No-Observed Adverse Effect Level

NOEC: No-Observed Effect Concentration

OECD: Organisation for Economic Co-operation and Development

OEL: Occupational Exposure Limit

PBT: Persistent Bioaccumulative Toxic

PNEC: Predicted No-Effect Concentration

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS: Safety Data Sheet

STP: Sewage treatment plant

ThOD: Theoretical oxygen demand (ThOD)

TLM: Median Tolerance Limit

PBT: Persistent, Bioaccumulative and Toxic



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SVHC: Substances of Very High Concern

VOC: Volatile Organic Compounds

CAS-No.: Chemical Abstract Service number

N.O.S.: Not Otherwise Specified

ED: Endocrine disrupting properties

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4 (Dermal): Acute toxicity (dermal), Category 4

Acute Tox. 4 (Inhalation): Acute toxicity (inhal.), Category 4

Asp. Tox. 1: Aspiration hazard, Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Category 2

Flam. Liq. 3: Flammable liquids, Category 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.

Skin Irrit. 2: Skin corrosion/irritation, Category 2

STOT RE 2: Specific target organ toxicity – Repeated exposure, Category 2

STOT SE 3: Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

*** Data compared to the previous version altered.**