



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

#### 1.1 Product identifier

**Trade name:** OWL PU MASTIC

**1.2 Relevant identified uses of the substance or mixture and uses advised against** Professional use  
**Application of the substance / the mixture:** Polyurethane sealant for movement joints.

#### 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: Hazard identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation EC No 1272/2008 CLP:**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

#### 2.2 Label elements

**Labelling according to Regulation EC No 1272/2008 CLP:**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms:**



GHS07

**Signal word:** Warning

**Hazard statements:**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

**Precautionary statements**

P264 Wash thoroughly after handling.

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- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P302+P352 IF ON SKIN: Wash with plenty of water and soap.
- P321 Specific treatment (see on this label).
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.

**Additional information:**

EUH204 Contains isocyanates. May produce an allergic reaction.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:** Mixture: consisting of the following components.

**Ingredients according Regulation (EU) 2020/878:**

CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32-XXXX	xylene ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	≤10%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35-XXXX	ethylbenzene ⚠ Flam. Liq. 2, H225; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332	≤5%
CAS: 2530-83-8 EINECS: 219-784-2	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane ⚠ Eye Dam. 1, H318	≤1%
CAS: 64742-47-8 EINECS: 265-149-8 Index number: 649-422-00-2	Distillates (petroleum), hydro- treated light ⚠ Asp. Tox. 1, H304	≤1%
CAS: 101-68-8 EINECS: 202-966-0 Index number: 615-005-00-9 Reg.nr.: 01-2119457014-47-XXXX	4,4'-methylenediphenyl diisocyanate ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	≥0.01-<0.1%

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**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:**

Allow affected people to get some fresh air.

Request medical help immediately

**After inhalation:**

If the patient becomes unconscious, secure him in a side position for transportation.

Get fresh air.

If symptoms last, see a doctor.

**After skin contact:**

Wash with soap and water immediately, then thoroughly rinse.

Talk to a doctor if skin irritation persists.

**After eye contact:**

Rinse the opened eye under flowing water for at least 15 minutes.

Take off your contact lenses and keep rinsing for a few minutes.

Consult a doctor if the symptoms continue.

Safeguard uninjured eye.

**After swallowing:**

Do not force yourself to vomit; instead, contact emergency help right away.

Ensure you are getting lots of fresh air and drink. Make a doctor's appointment immediately.

Seek emergency medical attention.

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

No further relevant information available.

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

No further relevant information available.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

During heating or in case of fire poisonous gases are produced.

**5.3 Advice for firefighters**

**Protective equipment:**

In the event of fire, self-contained breathing gear and full protective clothes are required.

**Additional information**

Separately collect contaminated fire-fighting water. It should not go down the sewage line.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Make sure there is enough air circulation.

Avoid breathing in fumes.

Stay away from sources of ignition.

Wear safety gear when necessary. Keep vulnerable people at a distance.

Put on safety gear. Avoid skin and eye contact.

**6.1.1 For non-emergency personnel** Stay away from any leaking or flowing substances.

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**6.1.2 For emergency responders**

Protective gear, gloves, goggles, and a breathing device with a type A filter are required for first-aid rescuers.

**6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Do not allow to penetrate the ground/soil.

**6.3 Methods and material for containment and cleaning up:**

Utilize absorbent material to collect (sand, diatomite).

Make sure there is enough airflow.

Utilize a liquid binding substance to absorb liquid components.

**6.4 Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

If applied effectively, no further safety measures are required.

Assure enough exhaustion and airflow at the worksite.

Avoid inhaling vapors.

Avoid eating, drinking, and smoking while using the product.

Avoid skin and eye contact.

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

**Storage:**

Preserve the container tightly locked.

To avoid leaks, keep containers firmly in place and upright.

**Requirements to be met by storerooms and receptacles:**

Retain in a cold environment.

Don't let any liquid soak into the ground.

Receptacles should have ventilation.

**Information about storage in one common storage facility:**

Keep away from food.

Keep away from water.

**Further information about storage conditions:** Prevent exposure to heat and sunshine.

**7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

**CAS: 1330-20-7 xylene**

WEL (Great Britain)	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV
IOELV (EU)	Short-term value: 442 mg/m <sup>3</sup> , 100 ppm Long-term value: 221 mg/m <sup>3</sup> , 50 ppm Skin

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**CAS: 100-41-4 ethylbenzene**

WEL (Great Britain)	Short-term value: 552 mg/m <sup>3</sup> , 125 ppm Long-term value: 441 mg/m <sup>3</sup> , 100 ppm Sk
IOELV (EU)	Short-term value: 884 mg/m <sup>3</sup> , 200 ppm Long-term value: 442 mg/m <sup>3</sup> , 100 ppm Skin

**CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**

WEL (Great Britain)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
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**DNELs**

CAS: 1330-20-7 Xylene (mixture of isomers)

Workers:

High Exposure, Systemic, 180 mg/kg

Inhalation, Short Term Exposure, Systemic, 289 mg/m<sup>3</sup>

Inhalation, Short Term Exposure, Local, 289 mg/m<sup>3</sup>

Inhalation, Large exposure, Systemic, 77 mg/m<sup>3</sup>

Consumers:

Oral, Large exposure, Systemic, 1.6 mg/kg

Demal, Large exposure, Systemic, 108 mg/kg

Inhalation, Large Exposure, Systemic, 14.8 mg/m<sup>3</sup>

CAS: 100-41-4 Ethylbenzene

Workers:

Dermal-Large exposure-Systemic-180 mg/kg

Inhalation-Short-term exposure-Local-293 mg/m<sup>3</sup>

Inhalation - Large exposure - Systemic - 77 mg/m<sup>3</sup>

Consumers:

Oral Exposure-Large Systemic-1.6 mg/kg

Inhalation-Large exposure-Systemic-15 mg/m<sup>3</sup>

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate.

Workers:

Inhalation - long-term systemic & local effects: 0.05 mg/m<sup>3</sup>.

Inhalation - acute systemic & local effects: 0.1 mg/m<sup>3</sup>.

Dermal - acute systemic effects: 50 mg/kg bw/d.

Dermal - acute local effects: 28.7 mg/cm<sup>2</sup>

Consumers:

Inhalation - long-term systemic & local effects: 0.025 mg/m<sup>3</sup>.

Inhalation - acute systemic & local effects: 0.05 mg/m<sup>3</sup>.

Dermal - acute systemic effects: 25 mg/kg bw/d.

Dermal - acute local effects: 17.2 mg/cm<sup>2</sup>

Oral - acute local effects: 20 mg/kg bw/d.

**PNECs**

CAS: 1330-20-7 Xylene (mixture of isomers)

STP: 6.58 mg/l

Freshwater: 0.327 mg/l

Soil: 2.31 mg/kg

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Marine water: 0.327 mg/l  
 Intermittent releases: 0.327 mg/l  
 Sediment (freshwater): 12.46 mg/kg  
 Sediment (marinewater): 12.46 mg/kg  
 CAS: 100-41-4 Ethylbenzene  
 STP 9.6 mg/L  
 Freshwater: 0.1 mg/l  
 Soil 2,68 mg/kg  
 Marine water: 0.01 mg/l  
 Intermittent releases: 0.1 mg/l  
 Sediment (freshwater): 13.7 mg/kg  
 For oral use: 20 g/kg  
 Sediment (marinewater): 1.37 mg/kg  
 CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate.  
 Fresh water: > 1 mg/l  
 Marine water: > 0.1 mg/l  
 Sewage treatment plant: > 1 mg/l  
 Soil: >1 mg/kg dry weight.

**8.2 Exposure controls**

**8.2.1. Appropriate engineering controls**

Make sure there is enough airflow.  
 Take the necessary safety precautions while handling chemicals and mixtures.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

Avoid food, drink, and feed.  
 Prior to breaks and after work, wash your hands.  
 Keep your hands away from your skin and eyes.  
 Avoid eating, drinking, and smoking while using the product.  
 Avoid inhaling mists or vapors.

**Respiratory protection:**



In cases of inadequate ventilation, use an appropriate respiratory protection gear. Respiratory protection is necessary while spraying and in poorly ventilated work spaces. For brief durations of labor, a charcoal filter and particle filter A2-P2 (EN529) combination mask or an air-fed mask are advised.

**Hand protection**



Protective gloves resistant to chemicals (standard EN 374-1)

The material used for the gloves must be waterproof and resistant to the product, substance, or preparation. No advice for the glove material for the product, preparation, or chemical mixture can be made due to a lack of studies. Choose the glove material while taking the degradation, diffusion, and penetration rates into account

**Material of gloves**

Hand protection when handling the product at room temperature:  
 Butyl rubber - IIR: thickness ≥0,5mm; breakthrough time ≥480min.  
 Fluorinated rubber - FKM: thickness ≥0,4mm; breakthrough time ≥480min.  
 Recommendation: contaminated gloves should be disposed of.

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**Penetration time of glove material**

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**Eye/face protection**



Safety glasses with side-shields (frame goggles) (e.g. EN 166)

**Body protection:**



Chemically resistant, protective work clothing (EN 14605) and boots.

**Environmental exposure controls**

Prevent enter of the product into drains, surface and groundwater and soil.  
Dispose of flushing liquids in accordance with local and national regulations.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

Physical state	Liquid
Colour:	Various colours
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	Not Flammable
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity	Not determined
Kinematic viscosity	
Dynamic:	Not determined
Solubility	
water:	Insoluble
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density at 20 °C:	1.12-1.18 g/cm³
Relative density	Not determined
Vapour density	Not determined

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**9.2 Other information**

**Appearance:**

**Form:** Paste

**Important information on protection of health and environment, and on safety.**

**Auto-ignition temperature:** Not determined

**Explosive properties:** Product does not present an explosion hazard.

**Cloud point / clarification point:**

**Oxidising properties:** Not oxidising

**Evaporation rate:** Not determined

**Information with regard to physical hazard classes**

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided** Stable at environment temperature.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** Avoid heat, sparkles, naked flame or other sources of ignition.

**10.5 Incompatible materials** Amines

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

**LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Dermal	LD50	≥17,000 mg/kg (rabbit)
Inhalative	LC50/4 h (vapour)	≥73.3 mg/l

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**CAS: 1330-20-7 xylene**

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	1,700 mg/kg (rabbit)
Inhalative	LC50 (4h)	5,000 ppm (rat)

**CAS: 100-41-4 ethylbenzene**

Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rabbit)
Inhalative	LC50 (4h)	4,000 ppm (rat)

**CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**

Oral	LD50	2,200 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Causes serious eye irritation.

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

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

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

**Additional toxicological information:**

**Repeated dose toxicity** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:**

**CAS: 1330-20-7 xylene**

EC50 (48h)	>7,4 mg/l (daphnia magna)
LC50 (96h)	2,6 mg/l (fis)
NOEC r (72h)	440 mg/l (algae)

**CAS: 100-41-4 ethylbenzene**

EC50 (48h)	73 mg/l (daphnia magna)
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**CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**

EC50	>1,000 mg/l (daphnia magna) (Daphnia magna Reproduction Test)
EC50 (72h)	>1,640 mg/l (ssu) (Freshwater Alga and Cyanobacteria, Grow Inhibition)
LC50 (96h)	>1,000 mg/l (Danio rerio) (Fish, Acute Toxicity Test)
NOEC (21d)	>10 mg/l (Daphnia magna) (Daphnia sp. Acute Immobilisation Test)

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

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**SECTION 15: Regulatory information**

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

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on safeguarding employees' health and safety against hazards posed by chemical agents at work.

Youth protection at work: amended version of Council Directive 94/33/EC.

The amended version of Directive 92/85/EEC on the adoption of measures to promote advancements in the safety and health at work of pregnant employees, new mothers, and nursing employees

**Directive 2012/18/EU**

Named dangerous substances - ANNEX I Substance is not listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 56a, 74

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**National regulations:**

**Other regulations, limitations and prohibitive regulations**

**Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on what we know right now. This, however, does not create a legally binding business relationship or a guarantee for any particular product characteristics.

**Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

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- H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- EUH204 Contains isocyanates. May produce an allergic reaction.

**Training hints**

On the basis of all the available knowledge, the staff should receive the proper training about safety when handling, storing, and converting the product.

**Department issuing SDS:**



**OWL WATERPROOFING SOLUTIONS**

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 Tel: +353 01 830 2250  
 Email: info@owlwaterproofing.co.uk  
 Website: www.owlwaterproofing.co.uk

**Version number of previous version: 1**

**Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Resp. Sens. 1: Respiratory sensitisation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Carc. 2: Carcinogenicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1

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