

**Material Safety Data Sheet
(MSDS)**

1. Identification of the substance / preparation and of the company.

1.1 Identification of the substance / preparation.

XYLENE BASED ACRYLIC SEALERS

1.2 Intended use.

Sealing concrete, concrete flagstones and pre-cast concrete slabs

Company details

1.3 Smartseal UK Ltd
Units 15-16
Annwood lodge Business Park
Arterial Road
Rayleigh
Essex
SS6 7UA

www.smartseal.co.uk

2. Composition / Information on ingredients.

2.1 Main components

Product	CAS (umber
Xylene	1330-20-70
Acrylic polymer	

3. Hazards identification.

Classified as Harmful

R 10 Flammable

R 20/21 Harmful by inhalation and in contact with skin R

38 Irritating to skin

4. First-aid measures.

4.1 **Eye contact**

Wash eyes immediately with clean water for several minutes. Then consult a doctor.

4.2 **Skin Contact**

Wash the affected area thoroughly with soap and water before continuing.

4.3 **Ingestion**

Wash out mouth with water and give patient plenty of water to drink. Do not induce vomiting; call for medical help immediately.

4.4 **Inhalation**

Supply fresh air. Consult doctor if symptoms persist.

5. Fire fighting measures.

5.1 **Suitable extinguishing agents**

Foam, carbon dioxide, fire extinguishing powder.

5.2

Unsuitable extinguishing media for safety reasons

Water jet.

5.3

Protective equipment

Wear self contained respiratory protective device.

6. Accidental release measures.

6.1 **Personal precautions**

Wear relevant PPE.

6.2 **Environmental protection**

Do not allow to enter sewer, surface or ground water.

6.3 **Cleaning up**

Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated waste according to item 13.

7. Handling and storage.

Handling

7.1 Ensure good ventilation / exhaustion at the workplace.

Storage

7.2 Must be stored in tightly sealed containers

Fire and explosion protection

7.3 Keep away from sources of ignition. Do not smoke. Protect against electrostatic charges.

8. Exposure controls / personal protection.

Exposure limit values

8.1 OES

Short term value 441 mg/m³, 100 ppm

Long term value 220 mg/m³, 50ppm

Respiratory protection

8.2 Where exposure levels exceed the OEL, suitable respiratory protective devices must be worn.

Eye protection

8.3 Tightly sealed goggles.

Skin protection

8.4 Protective gloves.

9. Physical and chemical properties.

Appearance	Fluid
Odour	Characteristic
PH	N/A
Viscosity	Dynamic at 20°C <0.61 mPas
Freezing point	N/A
Boiling point	137-143°C
Melting point	N/A
Flash point	30°C
Explosion limits	Lower 1.1 vol% Upper 7 vol%
Density	>0.87 g/cm at 20°C
Solubility in water	0.2 g/l

10. Stability and reactivity.

10.1 Dangerous reactions

Reacts with strong oxidising agents

10.2 Dangerous decomposition products

Carbon monoxide and carbon dioxide. Poisonous gasses / vapours.

11. Toxicological information.

11.1 LD/LC50 values relevant for classification

Oral LD50 4300 mg/kg (rat)

Dermal LD50 2000 mg/kg (rabbit)

11.2 Primary irritant effect

Irritant to the skin and mucous membrane.

12. Ecological information.

Insoluble in water. Non biodegradable. Water hazard class 2 (German regulation).

Aquatic toxicity: LC50 (96u) 165 ppm (daphnia)

13. Disposal considerations.

Must not be disposed of together with household waste. Do not allow product to reach sewerage system. Unclean packaging must be disposed of in accordance with official regulations.

14. Transport information.

14.1 Land transport

ADR/RID class:	3 flammable liquids
Danger code:	30
UN-number:	1307
Packaging group:	III
Hazard label:	3
Description of goods:	Xylene based acrylic sealers

14.2 Marine Transport

IMDG class:	3
UN-number:	1307
Packaging group:	III
Label:	3
Shipping name:	Xylene based acrylic sealers
EMS number:	F-E, S-D

14.3 Air transport

ICAO/IATA class:	3
UN/ID number:	1307
Label:	3
Packaging group:	III
Shipping name:	Xylene based acrylic sealers

15. Regulatory information.

Classification – Xn Harmful

15.1 Risk phrases

10 Flammable

Smartseal Patio Sealer

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20/21 Harmful by inhalation and by contact with skin
38 Irritating to skin

Smartseal Solvent Based Acrylic
Sealers

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16. Other information

- 16.1 If the material is redistributed for sale, details of its hazards and recommended methods for safe handling should be available to all sites and / or customers.
- 16.2 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 company shall not be held liable for any damage resulting from handling or from contact with the above product.