

**Material Safety Data Sheet
(MSDS)**

**Includes:
ALL Block Paving Sealers
& Concrete Sealers**

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 imprinted concrete, concrete and block paving.

1.3 Company details

Smartseal Uk Ltd
Unit 14a
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 Number
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.

- 7.1 **Handling**
Ensure good ventilation / exhaustion at the workplace.
- 7.2 **Storage**
Must be stored in tightly sealed containers
- 7.3 **Fire and explosion protection**
Keep away from sources of ignition. Do not smoke. Protect against electrostatic charges.

8. Exposure controls / personal protection.

- 8.1 **Exposure limit values**
OES
Short term value 441 mg/m³, 100 ppm
Long term value 220 mg/m³, 50ppm
- 8.2 **Respiratory protection**
Where exposure levels exceed the OEL, suitable respiratory protective devices must be worn.
- 8.3 **Eye protection**
Tightly sealed goggles.
- 8.4 **Skin protection**
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 |
| 20/21 | Harmful by inhalation and by contact with skin |
| 38 | Irritating to skin |

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.