

**Material Safety Data Sheet  
(MSDS)**

**Includes:**

**BLACK LIMESTONE SEALER**

**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 and block paving.

1.3 Company details

SmartSeal Uk Ltd  
Unit 3  
65-67 Cutlers Road  
South Woodham Ferrers  
Chelmsford, Essex  
CM3 5WA  
United Kingdom

[www.smartseal.co.uk](http://www.smartseal.co.uk)

**2. Composition / Information on ingredients.**

2.1 Main components

<b>Product</b>	<b>CAS Number</b>
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/m<sup>3</sup>, 100 ppm  
Long term value 220 mg/m<sup>3</sup>, 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.