

**SAFETY DATA SHEET****1. PRODUCT IDENTIFICATION AND COMPANY DETAILS.****Product name:** Blockseal**Intended use:** Sealer and stabiliser for stone and concrete surfaces**Company address:** Van Es Ltd, Unit 10, Port of Larne Business Park, Redlands Road, Larne, Co. Antrim, BT40 1AX**Emergency telephone no.** UK - 028 28 269590 R.O.I - (1) 686 9422**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Substances which present a health or environmental hazard within the meaning of the CHIP regulations or which are assigned occupational exposure values.

Name	Conc.Range %	Symbol	R Phrases*	EINECS No	CAS No
Xylene, mixture of isomers	50 – 90%	Xn	R10-20/21-38	215-535-7	1330-20-7

\*see section16 for full text

**3. HAZARD IDENTIFICATION**

Xn - Harmful

Flammable (R10)

Harmful by inhalation and in contact with skin (R20/21)

Irritating to skin (R38)

**4. FIRST AID MEASURES****General:**

In case of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

**Inhalation:**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice

**Eye Contact:**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least ten minutes, holding the eyes apart, and seek medical advice.

**Skin Contact:**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser. Do NOT use solvent or thinners.

**Ingestion:**

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

## 5 FIRE-FIGHTING MEASURES

**Extinguishing media:** Recommended: alcohol resistant foam, CO<sub>2</sub>, powder, water spray/mist.  
Not to be used: water jet.

**Recommendations:** Fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Appropriate self contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow water run-off from fire fighting to enter drains or water courses.

## 6 ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Exclude non essential personnel. Avoid breathing vapours. Refer to protective measures listed in section 7 and 8. Contain the spillage with non combustible absorbent materials eg. Sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see section 13). Do not allow to enter drains or watercourses. Clean, preferably with detergent: avoid use of solvents. If the product enters drains or sewers, immediately contact the local water company; in case of contamination of streams, rivers or lakes, the relevant environment agency.

## 7 HANDLING AND STORAGE

**Handling**

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentration of vapour in air and avoid vapour concentrations higher than the occupational exposure limit values.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non sparking tools should be used.

Avoid skin and eye contact. Avoid the inhalation of vapour and mist.

For Occupational Exposure Control measures, see section 8.

Never use pressure to empty: the container is not a pressure vessel. Always use containers the same as the supply container.

The accumulation of contaminated rags may result in spontaneous combustion. Good housekeeping standards and removal of waste will minimise the risk of spontaneous combustion and other fire hazards.

(The Manual Handling Operations Regulations may apply to the handling of containers of this product)

### Storage

Observe label precautions. Store between 5deg and 25deg C in a dry, well ventilated place away from sources of heat, ignition or direct sunlight.

No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage.

Store separately from oxidising agents and strongly alkaline or acidic materials.

The principles contained in the HSE guidance note 'Storage of Packaged Dangerous Substances' should be observed when storing this product.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure controls

Provide adequate ventilation. Where reasonably practical, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of solvent vapour and/or particulates below the relevant occupational Exposure Limit Values, suitable respiratory protection must be worn.

### Exposure Limit Values

Substance	TWA <sup>(1)</sup>		STEL <sup>(2)</sup>		Notations
	ppm	mg.m <sup>-3</sup> (4)	ppm	mg.m <sup>-3</sup> (4)	
Xylene, Mixture of isomers			100	441	

(1) Long term exposure limit – 8 hour time weighted average.

(2) Short term exposure limit – 15 minute reference period.

(4) OES indicates an Occupational Exposure Standard. MEL indicates a respiratory sensitiser

**Occupational Exposure Controls**

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be select to meet the requirements of the COSHH Regulations.

**Respiratory Protection.**

Air fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled below the occupational Exposure Limit Values and engineering controls and methods cannot reasonably be improved.

**Hand Protection.**

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement, must be followed.

Barrier creams may help to protect exposed skin, but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

**Eye Protection.**

Eye protection designed to protect against liquid splashes should be worn.

**Skin Protection.**

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleanser.

Regular skin inspection of users of this product is recommended.

Always wash your hands before eating, drinking, smoking or using the toilet.

**Environmental exposure control.**

See section 12 for detailed information.

**9 PHYSICAL AND CHEMICAL PROPERTIES.**

Physical state:	Mobile liquid
Flash Point:	25 <sup>0</sup> C
Specific Gravity:	0.8 – 1.0
Vapour density:	Heavier than air
Lower explosion limit:	1.0 % v/v
Solubility in water:	Not miscible

**10 STABILITY AND REACTIVITY**

Stable under normal storage and handling conditions (see section 7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, and oxides of nitrogen may be produced. Keep away from oxidising agent and strongly alkaline or acidic materials to prevent the possibility of exothermic reactions.

**11 TOXICOLOGICAL INFORMATION.**

There is no data available on the product itself. The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short term and long term exposure by oral, inhalation and dermal routes of exposure and eye contact. See sections 3 and 15 for details of the resulting hazard classification.

Exposure to organic solvent vapours in excess of the stated Occupational Exposure Limits may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the product may cause removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

Splashes in the eyes may cause irritation and reversible local damage.

## **12 ECOLOGICAL INFORMATION.**

There is no information on the product itself.

The product has been assessed following the conventional method in CHIP and is not classified as dangerous for the environment.

Substances classified as DfE   Mobility   Persistence   Other adverse effects

The product should not be allowed to enter drains or water courses or to be deposited where it can affect ground or surface waters.

## **13 DISPOSAL CONSIDERATIONS**

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including empty containers, are controlled wastes and should be disposed of in accordance with regulations made under The Control of Pollution Act and The Environmental Protection Act.

When this coating, in its liquid state, as supplied or skinned, becomes a waste, it is categorised as hazardous waste, with code 08 01 11 (list of hazardous wastes)

Used containers, drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 04 (list of wastes)

If mixed with other wastes the above waste codes may not be applicable

## 14 TRANSPORT INFORMATION

**Transport within the user's premises:** Always transport in closed containers that are upright and secure. Ensure persons transporting the product know what to do in the event of an accident or spillage.

**Onward transport:** Transport to be in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

Proper shipping name: Paint related material  
UN Number: 1263  
Hazard class: 3  
Packing Group: III  
Sub Hazard Class:  
Marine Pollutant: No  
Flash Point: 25<sup>0</sup>C

## 15 REGULATORY INFORMATION.

The product is classified and labelled in accordance with the CHIP Regulations as follows:

Symbol: Xn Harmful (Contains Xylene)

Risk Phrases: Flammable (R10)  
Harmful by inhalation and in contact with skin (R20/21)  
Irritating to skin (R38)

Safety Phrases: Keep out of reach of children (S2)  
Avoid contact with skin and eyes (S24/25)  
Use only in well ventilated areas (S51)  
Wear suitable protective clothing and gloves (S36/37)  
In case of fire use foam, CO<sub>2</sub> or water spray/mist (S43)

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

## 16 OTHER INFORMATION

Text of the R phrases listed in Section 2

<b>R Phrase No.</b>	<b>Text</b>
R10	Flammable
R20/21	Harmful by inhalation and in contact with sk
R38	Irritating to skin

The information contained in this safety data sheet is provided in accordance with the requirements of the CHIP Regulations.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present state of knowledge and on current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and advice can be found in:

The Control of Substances Hazardous to Health Regulations 2002[SI 2002/2677], The Stationery Office

COSHH Essentials: easy steps to control chemicals [HSG 193], HSE Books. Details of Control Guidance Sheets, which may be relevant to the particular conditions of use, can also be found in this publication.

[The Petroleum (Consolidation) Act 1928, The Stationery Office]

[The Highly Flammable and Liquefied Petroleum Gases Regulations 1972 [SI 1972: 917], The Stationery Office]

The Manual Handling Operations Regulations 1992 [SI 1992:2793], The Stationery Office

Chemical Warehousing: Storage of Flammable Liquids in Containers [HSG51], HSE Books

Storage of Packaged Dangerous Substances [HSG71], HSE Books

The Environmental Protection (Duty of Care) Regulations 1992 [SI 1992:2839], The Stationery Office

A Guide to Working with Solvents [INDG 272], HSE Books