

## V-Seal

### Material Safety Data Sheet

#### 1. Description

V-Seal is a flexible 2-part polymer-based cement spray liner with excellent bonding and waterproofing properties. The extreme durability and high impact resistance of V-Seal makes it ideal for a wide range of applications.

#### 2. Composition/Information on ingredients

HAZARDOUS INGREDIENT:	SYMBOL	RISK PHRASES	Concentration
<b>Powder Part</b> Composition: Cement, silica sands, inorganic fillers, organic polymers.	Xi	R36/37/38 Cas No. 65997-15-1	>25<50
<b>Binder Part</b> Non-hazardous goods 4HC	N/A	N/A	N/A

#### 3. Hazard Identification

##### **Powder Part:**

HAZARDOUS INFORMATION: Irritating to eyes, respiratory system and skin if PPE is not worn

##### **Binder Part:**

HAZARDOUS INFORMATION: Not Hazardous

#### 4. First Aid Measures

##### **SWALLOWING:**

Thoroughly wash out mouth with water. Do NOT induce vomiting. Obtain medical attention.

##### **INHALATION:**

Remove affected person from contaminated area. Obtain medical attention.

##### **EYE CONTAMINATION:**

Flush immediately with clean water until eyes are cleared. If necessary, seek medical attention

## SKIN CONTAMINATION

Wash skin thoroughly with clean water.

### 5. Firefighting Measures

#### EXTINGUISHING MEDIA:

None, not flammable.

#### SPECIAL FIRE FIGHTING PROCEDURES

None.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

Non-Combustible – Non-Explosive properties.

### 6. Accidental Release Measures

#### PERSONAL PRECAUTIONS:

Wear rubber safety boots in addition to recommended protective clothing.

#### ENVIRONMENTAL PRECAUTIONS:

None.

#### DECONTAMINATION PROCEDURES:

None.

### 7. Handling and Storage

#### HANDLING PRECAUTIONS:

##### POWDER:

Avoid creating and breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid skin and eye contact.

##### BINDER:

Employ good housekeeping practices and avoid unnecessary spillage

#### STORAGE PRECAUTIONS:

Store in cool, dry place.

### 8. Exposure controls and personal protection

#### Control Parameters:

Atmospheric levels of dust must be maintained within the Occupational Exposure Limit. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used.

#### Exposure Controls

Personal protection measures, such as personal protective equipment:

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):



- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use.
- Remove and wash contaminated clothing before re-using.
- Ensure that there is adequate ventilation, especially in confined areas.

#### **Eye/Face Protection:**

- Avoid contact with eyes.
- Use eye protection designed to protect against liquid splashes.
- Before handling, wear safety goggles with protective sides accordance with standard EN166
- In the event of high danger, protect the face with a face shield.
- Prescription glasses are not considered as protection.
- Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
- Provide eyewash stations in facilities where the product is handled constantly.

#### **Hand Protection:**

- Wear suitable protective gloves in the event of prolonged or repeated skin contact.
- Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
- Gloves must be selected according to the application and duration of use at the workstation.
- Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
- Types of gloves recommended:
  - Natural latex
  - Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
  - PVC (Polyvinyl Chloride)
  - Butyl Rubber (Isobutylene-isoprene copolymer)
- Recommended properties:
  - Impervious gloves in accordance with standard EN374

#### **Body Protection:**

- Avoid skin contact.
- Wear suitable protective clothing.
- Suitable type of protective clothing.
- In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
- In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
- Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use.
- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

## 9. Physical and Chemical Properties

### Powder Part

Physical State and Appearance	Granulated Powder
Odour	Odourless
Colour	Grey / off white
pH	8 - 9
Density at 20 °C	>1400 kg.m <sup>-3</sup>
Water Solubility:	Partially Soluble

### Binder Part

Physical State and Appearance	Liquid
Odour	Weak
Colour	Milky white
pH	(20g/L 25C) 8 - 9
Auto Flammability	Non-flammable
Explosive	Non-explosive properties

## 10. Stability and Reactivity

### STABILITY:

Stable.

### CONDITIONS TO AVOID:

Stable under ordinary conditions of use and storage.

### MATERIALS TO AVOID:

Strong acids.

### HAZARDOUS DECOMPOSITION PROPERTIES:

None

## 11. Toxicological Information

### Information on Toxicological Effects

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**POWDER PART:**

**ON EYES:**

Irritating and may injure eye tissue if not removed promptly.

**ON SKIN:**

Irritating. See “chronic” effects.

**BY INHALATION:**

Irritating to respiratory system. Inflammation of the nasal mucous membrane by exposure to **cement dust.**

**BY INGESTION:**

May cause irritation of mouth, throat and digestive tract.

**CHRONIC:**

Cement, cementitious grouts and mortars are known to cause both irritant and allergic contact dermatitis. Prolonged skin contact can cause skin irritation.

**BINDER PART:**

**INHALATION:**

Unlikely to occur – not a typical route of exposure

**INGESTION:**

**May cause discomfort if swallowed**

**SKIN CONTACT:**

Liquid may irritate skin

**EYE CONTACT:**

May cause temporary eye irritation.

## 12. Ecological Information

**POWDER PART:**

**ENVIRONMENTAL ASSESSMENT:**

Little detailed information is available on the ecological effects of this product, but its overall environmental impact is not regarded as significant.

**MOBILITY:**

Partially soluble.

**PERSISTENCE & DEGRADIBILITY:**

All components are either inorganic or biodegradable.

**BIOACCUMULATIVE POTENTIAL:**

Not expected to be bio accumulative.

**ECOTOXICITY:**

Not expected to be ecotoxic to fish / daphnia / algae.

**BINDER PART:  
ECOTOXICITY:**

The product components are not classified as environmentally hazardous

**BIODEGRADABILITY:**

>80 % (Method Zahn – Wellons Test)

### 13. Disposal Considerations

**GENERAL INFORMATION:**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**DISPOSAL METHODS:**

Dispose of waste and residues in accordance with local authority requirements

### 14. Transport Information

**ROAD:**

Non-hazardous goods

**AIR:**

Non-hazardous goods

**POST:**

Permitted

### 15. Regulatory Information

**POWDER PART:**

**NAMED INGREDIENTS:**

Cement powders.

**SYMBOL(S):** Xi

**RISK PHRASES:**

Irritating to eyes, respiratory system and skin when PPE as recommended is not used

**SAFETY PHRASES:**

- Do not breathe dust.
- Avoid contact with skin and eyes.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable protective clothing, gloves and eye / face protection.

**EC DIRECTIVES:**

- Dangerous Substances Directive, 67/548/EEC and adaptations.
- Dangerous Preparations Directive, 88/155/EEC.
- Safety Data Sheets Directive, 91/155/EEC.

**STATUTORY INSTRUMENTS:**

- Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092)
- Health and Safety at Work, etc. Act 1974
- Control of Substances Hazardous to Health Regs. 1994 (SI 3246)

**CODES OF PRACTICE:**

- Waste Management. The Duty of Care

**GUIDANCE NOTES:**

- Occupational skin diseases: health and safety precautions (EH 26)
- Dust in the workplace: general principles
- Occupational exposure limits (EH40)

**BINDER PART:**

**LABELLING:** NON HAZARDOUS

**STATUTORY PROVISIONS:** Not listed as dangerous

## 16. Other Information

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

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