

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name: PermaSEAL PRO MP 2C – Component B  
Product code: PSPMP2C20

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Sector of Use No further relevant information available.  
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
Application of the substance / the mixture Sealing

#### 1.3. Details of the supplier of the safety data sheet

Company name: Permagard Products Limited  
Unit B2 – B5 Worthy Road  
Chittening Industrial Estate  
Avonmouth  
Bristol  
BS11 0YB

Tel: 0117 982 3282  
Fax: 0117 938 1584

Email: Sales@permagard.co.uk

#### 1.4. Emergency telephone number

Emergency Telephone Number: National Poisons Information Service (NPIS):  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 Eye Irrit. 2 H319 Causes serious eye irritation.

#### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.  
Hazard pictograms



Signal word GHS07  
Warning  
Hazard statements H319 Causes serious eye irritation.  
Precautionary statements P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P264 Wash thoroughly after handling.  
P280 Wear eye protection / face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/ attention.

#### 2.3. Other hazards

Results of PBT and vPvB assessment

· PBT: Not applicable.  
· vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**Description:** Mixture consisting of the following components.

#### Dangerous components:

CAS: 65997-15-1	Portland cement	>1-
EINECS: 266-043-4	Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	<1.5%

**Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult doctor.

#### 4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing agents** Use fire fighting measures that suit the environment.

#### 5.2. Special hazards arising from the substance or mixture

No further relevant information available.

#### 5.3. Advice for fire-fighters

No special measures required.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Not required.

#### 6.2. Environmental precautions

No special measures required.

#### 6.3. Methods and material for containment and cleaning up

Collect mechanically.

#### 6.4. Reference to other sections

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Open and handle container with care.

**Information about protection against explosions and fires:**

No special measures required.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Requirements to be met by storerooms and containers:**

No special requirements.

**Information about storage in one common storage facility:**

Not required.

**Further information about storage conditions:**

None.

**Storage class**

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#### 7.3. Specific end use(s)

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Components with critical values that require monitoring at the workplace:

CAS: 65997-15-1 Portland cement

WEL	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
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#### DNELs

CAS: 65997-15-1 Portland cement

Inhalative	DNEL	1 mg/m <sup>3</sup> (ArL)
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**Additional information:** The lists that were valid during the compilation were used as basis.

#### 8.2. Exposure controls

##### Appropriate engineering controls

No further data; see section 7.

##### Individual protection measures, such as personal protective equipment

##### General protective and hygienic measures

Wash hands during breaks and at the end of the work.

##### Breathing equipment:

Not required.

##### Hand protection

Protective gloves.

##### Material of gloves

Natural rubber, NR  
Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

##### Penetration time of glove material

The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

##### Eye/face protection

Safety glasses

##### Body protection:

Impervious protective clothing

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### General Information

Physical state	Solid
Colour:	Whitish
Smell:	neutral
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	2,230 °C (CAS: 14808-60-7 Quartz (SiO <sub>2</sub> ))
Flammability	Not determined.
<b>Lower and upper explosion limit</b>	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable
Decomposition temperature:	Not determined.
pH	Mixture reacts violently with water.
<b>Viscosity:</b>	
Kinematic viscosity	Not applicable.
dynamic:	Not applicable.
<b>Solubility</b>	
Water:	Soluble
Partition coefficient n-octanol/water (log value)	Not determined.
Steam pressure at 1732°C:	13.5 hPa (CAS: 14808-60-7 Quartz (SiO <sub>2</sub> ))

### Density and/or relative density

Density	1.5 g/cm <sup>3</sup>
Relative density	Not determined.
Vapour density	Not applicable

### 9.2. Other information

#### Appearance:

Form:	Pasty
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#### Important information on protection of health and environment, and on safety.

Self-inflammability:	Product is not self-igniting.
Explosive properties:	Product is not explosive.
Change in condition	
Evaporation rate	Not applicable

#### Information with regard to physical hazard

##### Classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

stable

Thermal decomposition conditions to be avoided

No decomposition if used according to specifications.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known

### 10.4. Conditions to avoid

No further relevant information available.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### LD/LC50 values that are relevant for classification:

CAS: 65997-15-1 Portland cement

Dermal	LD50	2,000 mg/kg (rabbit)
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Inhalative	LC50/4 h	5 mg/l (rat)
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**Serious eye damage/irritation** Causes serious eye irritation.

### 11.2. Information on other hazards

**Endocrine disrupting properties** None of the ingredients is listed.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Aquatic toxicity:** No further relevant information available.

### 12.2. Persistence and degradability

No further relevant information available.

### 12.3. Bioaccumulative potential

No further relevant information available.

### 12.4. Mobility in soil

No further relevant information available.

### 12.5. Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6. Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7. Other adverse effects additional information

**General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

#### Uncleaned packaging's:

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleaning agent:** Water, if necessary, with cleaning agent.

## SECTION 14: Transport information

### 14.1. UN number or ID number

ADR, IMDG, IATA Void

### 14.2. UN proper shipping name

ADR, IMDG, IATA Void

### 14.3. Transport hazard class(es)

ADR, ADN, IMDG, IATA

**Class** Void

### 14.4. Packing group

ADR, IMDG, IATA Void

### 14.5. Environmental hazards

Marine pollutant: No

### 14.6. Special precautions for user

Not applicable.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

UN "Model Regulation": Void

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Poisons Act

#### Regulated explosives precursors

None of the ingredients is listed.

#### Regulated poisons

None of the ingredients is listed.

<b>Reportable explosives precursors</b>	
None of the ingredients is listed.	
<b>Reportable poisons</b>	
None of the ingredients is listed.	10%

### Directive 2012/18/EU

#### Named dangerous substances –

##### ANNEX I

None of the ingredients is listed.

### 15.2 Chemical safety

#### assessment:

A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

### Other information

#### Relevant phrases

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

#### Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3