

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

1.1. Product identifier

Product form : Powder
Name : PermaSEAL Water Plug
Product code : PWP15 / PWP5

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

1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use, Consumer use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Permagard Products Ltd
Chitting Industrial Estate
Avonmouth
Bristol BS11 OYB
England

Tel: 0117 982 3282

Email: sales@permagard.co.uk
Web: www.permagard.co.uk

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964
	National Poisons Information Service (NHS Direct)	http://www.npis.org	111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

STOT SE 3 H335 May cause respiratory irritation.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05

GHS07

Signal word

Danger

Hazard-determining components of labelling:

Cement

Calcium oxide

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P102 Keep out of reach of children.

P261 Avoid breathing dust.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

2.3. Other hazards

Low chromate content according to directive 2003/53 EG

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2 Chemical characterisation: Mixtures Description:

Mixture of the substances listed below with harmless additions.

Dangerous components:

CAS: 65997 – 15 – 1	Cement	60-80%
EINECS: 266-043-4	Eye Dam. 1. H318; Skin Irrit. 2. H315; STOT SE 3. H335	
CAS: 1305-78-8	Calcium Oxide	1-2.5%
EINECS: 215-138-9	Eye Dam. 1. H318; Skin Irrit. 2. H315; STOT SE 3. H335	
Reg.nr.: 01-2119475325-36-XXXX		
CAS: 68475-76-3	Cement	1-2.5%
EINECS: 270-659-9	Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	
Reg. nr.: 01-2119486767-17-XXXX		

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

Seek medical treatment in case of complaints.

After skin contact

If skin irritation continues, consult a doctor.

Wash immediately with water and soap and rinse thoroughly.

After eye contact

Seek medical treatment. Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing

Call a doctor immediately.

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

No further relevant information available.

Information for doctor

See item 3

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

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Protective equipment:

No special measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid causing dust.

Avoid skin contact. Avoid eye contact.

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow to enter sewage system, surface or ground water.

6.3. Methods and material for containment and cleaning up

Keep away from water.

Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

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

Thorough removal of dust.

Ensure good ventilation/exhaust in workplaces.

Avoid the formation of dust.

Information about protection against explosions and fires:

No special requirements.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers:

No special requirements

Information on storage in a common storage facility:

None

Further information about storage conditions:

Store dry.

Protect from humidity and keep away from water.

Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems:

No further data; see item 7.

8.1. Control parameters

Components with limit values that require monitoring at the workplace:	
CAS: 65997-15-1 Cement	
WEL	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
CAS: 1305-78-8 Calcium Oxide	
WEL	Long-term value: 2 mg/m ³

Additional information:

The lists that were valid during compilation were used as a basis.

8.2. Exposure controls

Personal protective equipment

General protective and hygienic measures

- Keep away from food, beverages and animal feed.
- Immediately remove soiled, saturated clothing.
- Wash hands before pauses and after work.
- Avoid contact with eyes and skin.

Respiratory equipment:

- Short term filter device:
- Particle-Filter P2.
- In case of brief exposure or low pollution load, use respiratory protection equipment with filter.
- In case of intensive or longer exposure, use self-contained respiratory protection equipment.

Protection of hands:

- Protective gloves.
- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

- 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

- Break through time: max. 240 min (DIN EN 374).

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

- Avoid contact with eyes.
- In case of eye contact, rinse immediately and thoroughly with water.
- Seek medical advice.
- Tightly sealed safety glasses.

Body protection:

- Protective work clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Appearance:

Form: Powder
Colour: Grey

Odour:	Cement-like
Odour threshold:	Not determined.
pH-value (10 g/l) at 20 °C:	ca. 12
Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	Not applicable
Inflammability (solid, gaseous)	Not determined.
Ignition temperature:	Not applicable
Decomposition temperature:	Not determined.
Self-inflammability:	Product is not self-igniting.
Danger of explosion:	Product is not explosive.
Explosive Limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density	Not determined
Bulk apparent density at 20 °C	ca. 1.4 kg/dm ³
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with:	
Water:	Soluble
Distribution coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.

9.2 Other information

No further relevant information available.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if handled and stored 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 additional information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:	Based on available data, the classification criteria are not met.
LD/LC50 values that are relevant for classification:	No further relevant information available.
Primary irritant effect:	
Skin corrosion/irritation	Causes skin irritation.

Serious eye damage/irritation	Causes serious eye damage.
Sensitisation:	Based on available data, the classification criteria are not met.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. 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.

General notes:

Do not allow product to reach ground water, bodies of water or sewage system.

Do not allow undiluted or non-neutralised product to reach the sewage system or receiving waters.

Do not allow undiluted or larger quantities of the product to reach ground water, bodies of water or sewage system.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

European waste catalogue

17 01 01 Concrete

Waste disposal recommendations

Uncleaned packaging:

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

ADR, ADN, IMDG, IATA Void

14.2. UN proper shipping name

ADR, ADN, IMDG, IATA Void

14.3. Transport hazard class(es)

ADR, ADN, IMDG, IATA 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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

- Directive 2012/18/EU
- Named dangerous substances – ANNEX

None of the ingredients is listed.

- National regulations
- Other regulations, limitations and prohibition ordinances

Corrosive properties are set free when worked with water; therefore experience is expected of the user and our notes on working are to be observed.

Professional Association Principles/Industrial Medicine regulations, e.g. principles of industrial medicine

Occupational Safety Regulations.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Delivery specifications are found in the respective Technical Information Sheets.

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

Relevant phrases

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Department issuing data specification sheet:

Product Safety department / EHS

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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)

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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

SDS EU_NSC

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.