

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

1.1. Product identifier

Product name:

Product form : Powder
 Name : Perma Cem Anchor Grout
 Product code : PCG10/25

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use
 Use of the substance/mixture : Anchoring Grout

1.2.2. Uses advised against

No additional information available

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

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 [CLP]

Skin Irrit. 2 H315 Causes skin irritation.
 Eye Dam. 1 H318 Causes serious eye damage.
 STOT SE 3 H335 May cause respiratory irritation.

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; Irritant
 R37/38-41: Irritating to respiratory system and skin. Risk of serious damage to eyes.

Classification system:

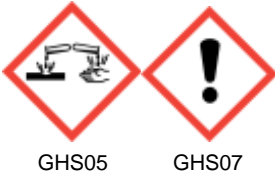
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

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



Signal word Danger

Hazard-determining components of labelling:

Cement

Hazard statements

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

Precautionary statements

- P260 Do not breathe 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.
 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. Mixtures

Mixture of the substances listed below with harmless additions.

Dangerous components:

CAS: 65997-15-1 EINECS: 266-043-4	Cement Xi R37/38-41	40-60%
	Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	
CAS: 68475-76-3 EINECS: 270-659-9 Reg.nr.: 01-2119486767-17-XXXX	Cement Xi R37/38-41	1-2.5%
	Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	

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.

Put on breathing apparatus.

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.
Keep breathing equipment ready.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers:

Store in closed rooms protected against moisture. Extraction of dust in compliance with health and safety.

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
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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

- Do not eat, drink or smoke while working.
- Use skin protection cream for preventive skin protection.
- Observe Professional Association regulations.
- 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

The product is non-reactive under normal conditions of use, storage and transport.

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 under normal conditions of use.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation pH: ca 12
Serious eye damage/irritation	: Causes serious eye damage. pH: ca 12
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No additional 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.

Ecology - waste materials

Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not dangerous goods in terms of transport regulations

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. 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

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of R-, H- and EUH-statements:

H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
R37/38	Irritating to respiratory system and skin
R41	Risk of serious damage to eyes

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product

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.