PermaSEAL Flexible Tanking Slurry
Safety Data Sheet - Part A

according to Regulation (EC) No 1907/2006 (REACH), as amended

Date of issue: 04/11/2026 Revision date: 04/11/2026 Version: 1.0

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

1.1. Product identifier

Product name: PermaSEAL Flexible Tanking Slurry - Part A

UFI: APU6-N06U-A00K-5PF1

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

Recommended use: Ready prepared cement mortar. Powder component of the two-part flexible tanking slurry.

Uses advised against: Not available.

1.3. Details of the supplier of the safety data sheet

Supplier: Permagard Products Limited
Unit B2 - B5 Worthy Road
Chittening Industrial Estate
Avonmouth
Bristol
BS11 0YB

Telephone: 0117 982 3282

Office hours: Monday - Friday, 9am - 5pm

Fax: 0117 938 1584

Email: Sales@permagard.co.uk

1.4. Emergency telephone number

Company contact: 0117 982 3282 (Monday - Friday, 9am - 5pm)

Medical advice: Call NHS 111 or a doctor.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP): Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1B, H317; STOT SE 3, H335.

Other effects: No other hazards identified by the supplier.

2.2. Label elements

Pictograms:



Signal word: Danger

Hazard statements: H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary statements: P261 Avoid breathing dust.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/clothing and eye/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.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Contains: Portland cement, Cr(VI) < 2 ppm.

Special provisions: No special provisions according to Annex XVII of REACH and subsequent amendments are stated in the supplier SDS.

2.3. Other hazards

Other hazards: No PBT, vPvB or endocrine disruptor substances are present at concentrations >= 0.1%. No other hazards are stated.
Prolonged exposure and/or intensive inhalation of respirable free crystalline silica, with an average diameter below 10 micrometres in accordance with ACGIH, can cause pulmonary fibrosis commonly referred to as silicosis.

This preparation contains cement. Contact between cement and body fluids, such as sweat and eye fluids, may cause irritation or burns.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not relevant. The product is a mixture.

3.2. Mixtures

Mixture identification: PermaSEAL Flexible Tanking Slurry - Part A.

Hazardous ingredient	Identifiers / REACH	Concentration	CLP classification
Portland cement, Cr(VI) < 2 ppm	CAS: 65997-15-1; EC: 266-043-4; REACH: EXEMPT	>=20 - <25 %	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Dam. 1, H318; STOT SE 3, H335

Full text of hazard statements is given in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact: Immediately remove all contaminated clothing. Rinse all areas that have, or may have, contacted the product with plenty of running water and soap. Wash the body thoroughly by showering or bathing. Obtain immediate medical attention. Dispose of contaminated clothing safely.

Eye contact: Rinse with water, holding the eyelids open, for a sufficient length of time. Consult an ophthalmologist immediately. Protect the uninjured eye.

Ingestion: Do not induce vomiting. Get medical attention and show this safety data sheet and the hazard label.

Inhalation: Consult a doctor immediately and show the packaging or label.

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

Symptoms / effects: Eye irritation, eye damage, skin irritation and erythema.

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

Medical attention: In case of accident or feeling unwell, seek medical advice immediately. Show the directions for use or this safety data sheet if possible.

Treatment: See Section 4.1.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable media: Water and carbon dioxide (CO_2).

Unsuitable media: None in particular.

5.2. Special hazards arising from the substance or mixture

Special hazards: Do not inhale explosion and combustion gases. Burning produces heavy smoke.

5.3. Advice for firefighters

Firefighter advice: Use suitable breathing apparatus.
Collect contaminated firefighting water separately and prevent its discharge into drains.
Move undamaged containers out of the immediate hazard area if it is safe to do so.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Non-emergency personnel: Wear personal protective equipment. Use breathing apparatus if exposed to vapours, dusts or aerosols. Provide adequate ventilation and appropriate respiratory protection. See Sections 7 and 8.

Emergency responders: Wear personal protective equipment.

6.2. Environmental precautions

Environmental precautions: Do not allow the product to enter soil, subsoil, surface water or drains.
Inform the responsible authorities in case of gas escape or entry into waterways, soil or drains.

6.3. Methods and material for containment and cleaning up

Cleaning up: Collect mechanically and dispose of in accordance with applicable regulations. Scoop into containers and seal for disposal.
Suitable collection materials include organic absorbent material and sand.
Wash with plenty of water. Retain contaminated wash water for disposal.

6.4. Reference to other sections

References: See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling precautions: Avoid contact with skin and eyes and inhalation of vapours and mists. Use local ventilation.
Do not use empty containers before they have been cleaned. Before transfer, ensure containers contain no incompatible residues.
Change contaminated clothing before entering eating areas. Do not eat or drink while working. See Section 8 for protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage: Keep away from food, drink and animal feed. Store in adequately ventilated premises.
Incompatible materials: None in particular.

7.3. Specific end use(s)

Recommendations: None in particular.
Sector-specific solutions: None in particular.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Great Britain workplace exposure limits (WELs), HSE EH40/2005, Fourth Edition 2020. Values are in mg/m3.

Substance	CAS number	Dust fraction	8-hour TWA	15-minute STEL
Portland cement	65997-15-1	Inhalable	10	-
Portland cement	65997-15-1	Respirable	4	-

A dash means that no specific short-term limit is listed in EH40 Table 1. EH40 paragraph 14 advises use of three times the long-term limit where no specific STEL is listed: 30 mg/m3 inhalable and 12 mg/m3 respirable, over 15 minutes. Exposure must be adequately controlled. For use outside Great Britain, consult the applicable national requirements.

8.2. Exposure controls





Eye protection: Use close-fitting safety goggles. Do not use contact lenses. Eye and face protection should comply with EN 166.
Skin protection: Use clothing that provides comprehensive skin protection, for example cotton, rubber, PVC or Viton.
Hand protection: Use suitable protective gloves to EN ISO 374. Minimum material parameters from the supplier are listed below.

Glove material	Code	Minimum thickness	Minimum breakthrough
Polychloroprene	CR	>=0.5 mm	>=480 min
Nitrile rubber	NBR	>=0.35 mm	>=480 min
Butyl rubber	IIR	>=0.5 mm	>=480 min
Fluorinated rubber	FKM	>=0.4 mm	>=480 min

Glove selection: Nitrile gloves of 1.3 mm thickness and 480 min breakthrough time are suggested in the supplier SDS.
Non-waterproof gloves are not recommended. Consult the glove supplier to confirm suitability for the chemicals and use conditions.

Respiratory protection:	Use respiratory protection where workplace exposure limits are exceeded, ventilation is insufficient or exposure is prolonged. The supplier specifies P2 dust protection above exposure limits. Select and use suitable equipment with reference to EN 136, EN 140, EN 143, EN 149 and EN 14387, as applicable.
PPE care:	PPE must comply with the relevant standards and be correctly maintained and stored. Consult the equipment supplier for suitability and user information.
Hygienic / technical measures:	Not available.
Engineering controls:	Not available in the supplier SDS. See Section 7.1 for local ventilation requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid.
Appearance:	Powder.
Colour:	Grey.
Odour:	None.
Melting / freezing point:	Not available.
Boiling point / range:	Not available.
Flammability:	N.A.
Explosion limits:	Not available.
Flash point:	Not available.
Auto-ignition:	Not available.
Decomposition temperature:	Not available.
pH:	Not available.
pH (10% in water):	13.00.
Viscosity:	Not available.
Kinematic viscosity:	Not available.
Water solubility:	Very soluble.
Oil solubility:	Not available.
Partition coefficient:	n-Octanol/water (log value): Not available.
Vapour pressure:	Not available.
Density / relative density:	Not available.
Relative vapour density:	Not available.
Particle size:	Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No further information available.

9.2.2. Other safety characteristics

Miscibility:	Not available.
Conductivity:	Not available.
Other information:	No other relevant information.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under normal conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: None.

10.4. Conditions to avoid

Conditions to avoid: Stable under normal conditions.

10.5. Incompatible materials

Materials to avoid: None in particular.

10.6. Hazardous decomposition products

Decomposition products: None.

SECTION 11: Toxicological information

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

Contains cement. Cement reacts strongly alkaline with water and body fluids, including sweat and eye fluids. Carefully avoid contact with skin and eyes.

Hazard class	Mixture assessment
Acute toxicity	Not classified. Based on available data, the classification criteria are not met.
Skin corrosion / irritation	Skin Irrit. 2, H315.
Serious eye damage / irritation	Eye Dam. 1, H318.
Respiratory or skin sensitisation	Skin Sens. 1B, H317.
Germ cell mutagenicity	Not classified. Based on available data, the classification criteria are not met.
Carcinogenicity	Not classified. Based on available data, the classification criteria are not met.
Reproductive toxicity	Not classified. Based on available data, the classification criteria are not met.
STOT - single exposure	STOT SE 3, H335.
STOT - repeated exposure	Not classified. Based on available data, the classification criteria are not met.
Aspiration hazard	Not classified. Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine properties: No endocrine disruptor substances present at concentrations >=0.1%.

SECTION 12: Ecological information

12.1. Toxicity

Working practices: Adopt good working practices to prevent release of the product to the environment.

Mixture assessment: Not classified for environmental hazards. Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Information: N.A.

12.3. Bioaccumulative potential

Information: N.A.

12.4. Mobility in soil

Information: N.A.

12.5. Results of PBT and vPvB assessment

Information: No PBT, vPvB or endocrine disruptor substances present at concentrations >=0.1%.

12.6. Endocrine disrupting properties

Information: No endocrine disruptor substances present at concentrations >=0.1%.

12.7. Other adverse effects

Information: Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information: Avoid or minimise waste generation. Recover material where possible. A waste code under the European List of Waste cannot be specified because it depends on use. Contact an authorised waste disposal service.

Disposal methods: Dispose of product, solutions, packaging and by-products in accordance with environmental and waste legislation and local authority requirements. Use a licensed waste contractor for surplus and non-recyclable products. Do not dispose of waste into sewers.

Hazardous waste: Yes.

Disposal considerations: Prevent entry into drains and watercourses. Follow applicable national and local regulations. If mixed with other wastes, the original waste code may no longer apply and an appropriate code must be assigned. Dispose of contaminated containers under national or local provisions. Contact the local waste authority for advice.

Special precautions: Dispose of material and containers safely. Take care when handling untreated empty containers. Avoid dispersal of spillage or runoff into soil, waterways, drains or sewers. Empty containers or liners may retain residues. Do not reuse empty containers.

SECTION 14: Transport information

Not classified as dangerous under transport regulations.

14.1. UN number or ID number

Information: Not applicable.

14.2. UN proper shipping name

Information: Not applicable.

14.3. Transport hazard class(es)

Information: Not applicable.

14.4. Packing group

Information: Not applicable.

14.5. Environmental hazards

Information: Not applicable.

14.6. Special precautions for user

Information: Not applicable.

Road / rail (ADR-RID): Not applicable.

Air (IATA): Not applicable.

Sea (IMDG): Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Information: Not applicable.

SECTION 15: Regulatory information

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

Chromium(VI): The product contains Cr(VI) below the limits established by Annex XVII, point 47. Observe the duration stated on the packaging.

Legislation listed in the supplier SDS:

Legislation	Legislation
Dir. 98/24/EC (risks related to chemical agents at work)	Dir. 2000/39/EC (occupational exposure limit values)
Regulation (EC) No 1907/2006 (REACH)	Regulation (EU) No 2020/878
Regulation (EC) No 1272/2008 (CLP)	Regulation (EC) No 790/2009 (ATP 1 CLP) and (EU) No 758/2013
Regulation (EU) No 286/2011 (ATP 2 CLP)	Regulation (EU) No 618/2012 (ATP 3 CLP)
Regulation (EU) No 487/2013 (ATP 4 CLP)	Regulation (EU) No 944/2013 (ATP 5 CLP)
Regulation (EU) No 605/2014 (ATP 6 CLP)	Regulation (EU) No 2015/1221 (ATP 7 CLP)
Regulation (EU) No 2016/918 (ATP 8 CLP)	Regulation (EU) No 2016/1179 (ATP 9 CLP)
Regulation (EU) No 2017/776 (ATP 10 CLP)	Regulation (EU) No 2018/669 (ATP 11 CLP)
Regulation (EU) No 2018/1480 (ATP 13 CLP)	Regulation (EU) No 2019/521 (ATP 12 CLP)
Regulation (EU) No 2020/217 (ATP 14 CLP)	Regulation (EU) No 2020/1182 (ATP 15 CLP)
Regulation (EU) No 2021/643 (ATP 16 CLP)	Regulation (EU) No 2021/849 (ATP 17 CLP)
Regulation (EU) No 2022/692 (ATP 18 CLP)	Regulation (EU) No 2023/707
Regulation (EU) No 2023/1434 (ATP 19 CLP)	Regulation (EU) No 2023/1435 (ATP 20 CLP)
Regulation (EU) No 2024/197 (ATP 21 CLP)	Regulation (EU) No 2024/2564 (ATP 22 CLP)
Regulation (EU) No 2024/2865	Regulation (EU) No 2025/1222 (ATP 23 CLP)

Seveso III: No provisions stated under Directive 2012/18/EU.

REACH restrictions: Restrictions related to the product: None. Restrictions related to substances: 75.

SVHC substances: No SVHC substances present at concentrations >=0.1% (w/w).

National regulations: German storage class (TRGS-510): 13 - non-combustible solids not assigned to another storage class.

German water hazard: Class 1: slightly hazardous for water.
Explosive precursors: Regulation (EU) 2019/1148: No substances contained.
GB exposure limits: HSE EH40/2005, Fourth Edition 2020, has been used for the GB WEL table in Section 8.1.

15.2. Chemical safety assessment

Assessment: No chemical safety assessment has been carried out for the mixture.

SECTION 16: Other information

Preparation information: Prepared on 04/11/2026 using the supplier SDS dated 06/05/2026, version 3. Product and supplier identification have been adapted for PermaSEAL Flexible Tanking Slurry - Part A.
Editorial changes: Section 8.1 lists GB WELs from HSE EH40 instead of the multi-country exposure-limit table. Broken hazard-code lines have been normalised.
UFI confirmation: The retained supplier UFI must be confirmed for the PermaSEAL product label before issue.
Hazard statements: Full text of statements referenced in Sections 2 and 3:
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Code	Hazard class / category	Description
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.4.2/1B	Skin Sens. 1B	Skin sensitisation, Category 1B
3.8/3	STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Mixture classification	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1B, H317	Calculation method
STOT SE 3, H335	Calculation method

Training advice: Safety training must be based on the workplace risk assessment, taking account of actual operating and environmental conditions.
Main sources: Supplier safety data sheet dated 06/05/2026, version 3; HSE EH40/2005, Fourth Edition 2020 (www.hse.gov.uk/pubns/priced/eh40.pdf).
Bibliographic sources: ECDIN - Environmental Chemicals Data and Information Network, Joint Research Centre, European Commission; SAX Dangerous Properties of Industrial Materials, Eighth Edition, Van Nostrand Reinhold.

Abbreviations used in this safety data sheet:

Abbreviation	Meaning
ACGIH	American Conference of Governmental Industrial Hygienists
ADR / RID	Road / rail transport regulations for dangerous goods
CAS / EC	Chemical Abstracts Service / European Community identifier
CLP	Classification, labelling and packaging
Cr(VI)	Hexavalent chromium
EWC / LoW	European Waste Catalogue / List of Waste
IATA / IMDG	Air / sea transport codes for dangerous goods
N.A.	Not applicable
PBT / vPvB	Persistent, bioaccumulative and toxic / very persistent and very bioaccumulative
REACH	Registration, evaluation, authorisation and restriction of chemicals
STEL / TWA	Short-term exposure limit / time-weighted average
STOT SE	Specific target organ toxicity - single exposure
SVHC / UFI	Substance of very high concern / unique formula identifier
WEL	Workplace exposure limit

The information is based on knowledge available at the stated date and describes the product for health, safety and environmental purposes. It applies only to the product identified and does not guarantee a particular quality or property. The user must ensure that the information is appropriate and complete for the intended use. This sheet replaces earlier information issued for this PermaSEAL component.