

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

### 1.1. Product identifier

**Product name:** PROTECTA EX MORTAR

**Product code:** PRO070

**UFI:** P800-T0NA-A00D-T7PN

**Synonyms:** FR MORTAR

FIRE MORTAR

EX MORTAR

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

**Use of substance / mixture:** Fireproof gypsum based mortar.

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

**Company name:** Polyseam Ltd

15 St Andrews Road

Huddersfield

West Yorkshire

HD1 6SB

United Kingdom

**Tel:** +44 (0)1484 421036

**Email:** post.uk@polyseam.com

### 1.4. Emergency telephone number

**Emergency tel:** +44 (0)1484 421036

(office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

**Most important adverse effects:** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

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**Hazard pictograms:** GHS05: Corrosion

GHS07: Exclamation mark



**Signal words:** Danger

**Precautionary statements:** P102: Keep out of reach of children.

P261: Avoid breathing dust.

P280: Wear eye protection, protective gloves.

P312: Call a doctor if you feel unwell.

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

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

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

P362+P364: Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards

**Other hazards:** When EX Mortar reacts with water either during mixing on site or if the EX Mortar becomes wet in damp or wet conditions, the solution produced is strongly alkaline. This strongly alkaline solution may cause irritation of skin and eyes.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

CALCIUM SULPHATE / GIPS - REACH registered number(s): 01-2119444918-26-0167

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-900-3	7778-18-9	Substance with a Community workplace exposure limit.	-	70-80%

PORTLAND CEMENT / SEMENT

266-043-4	65997-15-1	-	Skin Irrit. 2: H315; STOT SE 3: H335; Eye Dam. 1: H318; Skin Sens. 1: H317	15-20%
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**Contains:** See section 16.

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. The product reacts with water producing an alkaline solution. The alkalinity can provoke skin

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and eye irritation. Wash immediately with plenty of soap and water. Seek medical treatment in case of irritation or burns.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

**Skin contact:** DRM - DERMAL There may be irritation and redness at the site of contact. May cause an allergic skin reaction. Wet product: if in contact with the skin may cause thickening or cracking of the skin. Prolonged contact, in combination with abrasion, may cause irritation and burns.

**Eye contact:** OPT-OPTICAL Mechanical eye irritation from dusts may include pain, redness and corneal abrasion. Wet product may cause moderate eye irritation to chemical burns and blindness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** INH - INHALATION There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Avoid contact with skin and eyes. Avoid inhalation of dust. Provide adequate

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ventilation. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

## 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Sweep up and place in a suitable container. Avoid dust generation. Material mixed with water should be scraped up and placed in a plastic container and left to set. Dispose of in accordance with section 13.

## 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**CALCIUM SULPHATE / GIPS**

**Workplace exposure limits:**

**Respirable dust:**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	4	-

**PORTLAND CEMENT / SEMENT**

UK	-	-	4	-
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### DNEL/PNEC Values

[cont...]

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## Hazardous ingredients:

### CALCIUM SULPHATE / GIPS

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	5082mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation	21.17mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation	3811mg/m <sup>3</sup>	General Population	Systemic
DNEL	Inhalation	5.29mg/m <sup>3</sup>	General Population	Systemic
DNEL	Oral	11.4mg/kg bw/day	General Population	Systemic
DNEL	Oral	1.52mg/kg bw/day	General Population	Systemic

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** In case of dust formation: Wear respiratory protection with dust filter P2 according to standard EN 149. Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Wear protective gloves according to standard EN 374. Protective gloves in neoprene or nitrile rubber. Thickness of material: 0.2 - 0.4 mm. Breakthrough time:> 60 minutes.

**Eye protection:** In case of dust formation, wear tight fitting goggles according to standard EN 166.

**Skin protection:** Wear suitable protective clothing.

**Environmental:** Prevent from entering in public sewers or the immediate environment. Ensure emissions from ventilation or equipment comply with environmental protection legislation.

## Section 9: Physical and chemical properties

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

**State:** Solid

**Colour:** Off-white

**Odour:** Odourless

**Evaporation rate:** Not applicable.

**Oxidising:** Not applicable.

**Solubility in water:** Soluble

**Boiling point/range°C:** n/a

**Melting point/range°C:** Not applicable.

**Flammability limits %: lower:** Not applicable.

**upper:** Not applicable.

**Flash point°C:** Not applicable.

**Part.coeff. n-octanol/water:** Not applicable.

**Autoflammability°C:** Not applicable.

**Vapour pressure:** Not applicable.

**pH:** Not applicable.

**VOC g/l:** Not applicable.

### 9.2. Other information

**Other information:** Not applicable.

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## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions. When mixed with water, EX Mortar will harden to form a stable solid with no further reactivity.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** In storage and transportation, avoid: Humidity.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** Not applicable.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	-	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

#### Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated

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Aspiration hazard	-	No hazard: calculated
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## Symptoms / routes of exposure

**Skin contact:** DRM - DERMAL There may be irritation and redness at the site of contact. May cause an allergic skin reaction. Wet product: if in contact with the skin may cause thickening or cracking of the skin. Prolonged contact, in combination with abrasion, may cause irritation and burns.

**Eye contact:** OPT-OPTICAL Mechanical eye irritation from dusts may include pain, redness and corneal abrasion. Wet product may cause moderate eye irritation to chemical burns and blindness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** INH - INHALATION There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### CALCIUM SULPHATE / GIPS

Daphnia magna	48H EC50	>79	mg/l
FISH	48H EC50	>79	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	79	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Not biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Not applicable.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** After hardening, Negligible ecotoxicity.

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## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Unused dry product should be collected for re-use. Dispose of product by hardening with water and dispose of as gypsum waste.

**Recovery operations:** Not applicable.

**Waste code number:** 17 08 02

**Disposal of packaging:** Packaging can be disposed of as waste paper or recycled. EWC 15 01 01

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** The portland cement is either naturally low in soluble chromium (VI) or reducing agents have been added to control the levels of sensitising soluble chromium (VI) to below 2ppm (0.0002%) in the total dry weight of the portland cement in EX Mortar.

The portland cement is either naturally low in soluble chromium (VI) or reducing agents have been added to control the levels of sensitising soluble chromium (VI) to below 2ppm (0.0002%) in the total dry weight of the portland cement in EX Mortar. according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

**Phrases used in s.2 and s.3:** H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

**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.