

**Product:**  
**POOL STONE BASE**

*Version 2.0 / 03/02/2024*

*Replaces all previous versions*

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

### **1.1 Product identifier**

Trade name: POOL STONE BASE

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

#### **1.2.1 Relevant identified uses**

Main use category: Industrial use. Professional use  
Industrial/Professional use spec: Construction materials  
Use of the substance/mixture: MORTAR  
Function or use category: Construction materials

#### **1.2.2 Uses advised against**

No additional information available

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

Company: PINTURAS KILNHER  
Address: Pol. Ind. La Figuera, C/LLanterners, 44. 46394  
City: ALACUAS  
Province: VALENCIA  
Telephone: (+34) 961 505 024  
Fax: (+34) 961 505 024  
E-mail: kilnher@kilnher.com  
Web: www.kilnher.com

### **1.4 Emergency telephone number**

(+34) 961 505 024 (Only available during office hours; Monday-Friday; 07:00-15:00)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard class	Hazard category	Indications of danger
Serious eye damage/eye irritation	1	H318

\* Full text of H statements: see section 16

### Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage.

### 2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### Hazard pictograms (CLP)

GHS05



#### Signal word (CLP)

Danger

#### Extra phrases

Dispose of contents/container in accordance with regional/national/international/local regulations.

#### Contains

Portland cement

#### Hazard statements (CLP)

**H318** - Causes serious eye damage.

#### Precautionary statements (CLP)

**P102** - Keep out of reach of children.

**P280** - Wear eye protection, protective gloves.

**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.

**P261** - Avoid breathing dust.

## 2.3 Other hazards

### Other hazards which do not result in classification:

The product contains chromate reducer, whereby the content of water-soluble chromium (VI) is less than 0.0002%.  
With proper storage (dry) and consumption within the specified storage time, a sensitizing effect of the cement / binder by contact with skin cannot occur (H317 or EUH203 can therefore be omitted).

**PBT:** not relevant – no registration required

**vPvB:** not relevant – no registration required

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

Component	
Portland cement (65997-15-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Portland cement	CAS-No.: 65997-15-1 EC-No.: 266-043-4	> 10- < 50	Skin Sens. 1, H317 Eye Dam. 1, H318 Skin Irrit. 2, H315 STOT SE 3, H335
Marble / limestone (Calcium carbonate)	CAS-No.: 1317-65-3 EC-No.: 215-279-6	> 10- < 50	Not classified
Quartz, conc respirable crystalline silica < 1 % substance with a Community workplace exposure limit	CAS-No.: 14808-60-7 EC-No.: 238-878-4	> 10- < 50	Not classified

\* Full text of H statements: see section 16

Comments: Chromium (VI) compounds < 2 ppm

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### First-aid measures after inhalation

Remove person to fresh air and keep comfortable for breathing.

#### First-aid measures after skin contact

Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

#### First-aid measures after eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

#### First-aid measures after ingestion

If the person is fully conscious, make him/her drink plenty of water. Never give an unconscious person anything to drink. Do not induce vomiting.

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

Symptoms/effects after skin contact: Irritation.

Symptoms/effects after eye contact: Serious damage to eyes.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire

**Unsuitable extinguishing media:** high volume water jet.

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

**Fire hazard:** No fire hazard.

**Explosion hazard:** None.

**Hazardous decomposition products in case of fire:**

None.

### 5.3. Advice for firefighters

**Precautionary measures fire:** No specific measures are necessary.

**Protection during firefighting:** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

**General measures:** Absorb spillage to prevent material damage.

#### 6.1.1 For non-emergency personnel

**Protective equipment:** Precautions for safe handling. See Section 7.

**Emergency procedures:** Avoid contact with skin and eyes.

#### 6.1.2 For emergency responders

**Emergency procedures:** No specific measures are necessary.

### 6.2 Environment related measures

Prevent entry to sewers and public waters.

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

**For containment:** Collect spillage.

**Methods for cleaning up:** Mechanically recover the product. Minimise generation of dust. Collect spillage. Do not use compressed air for cleaning.

### 6.4 Reference to other sections

For further information refer to section 13. See Section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Additional hazards when processed:** See Section 8.

**Precautions for safe handling:** Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

**Hygiene measures:** Wear protective gloves. Do not eat, drink or smoke when using this product.

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

**Storage conditions:** Protect from moisture. Store in a dry place. The product contains chromate reducer, whereby the content of water-soluble chromium (VI) is less than 0.0002%.

With proper storage (dry) and consumption within the specified storage time, a sensitizing effect of the cement / binder by contact with skin cannot occur (H317 or EUH203 can therefore be omitted).

**Incompatible materials:** Aluminium. ammonium salts. Acids.

**Storage area:** dry.

### 7.3 Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Portland cement (65997-15-1)	
Occupational Exposure Limits	
Local name	Portland cement
WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup> 4 mg/m <sup>3</sup>
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### 8.1.2 Recommended monitoring procedures

No additional information available

#### 8.1.3 Air contaminants formed

No additional information available

#### 8.1.4 DNEL and PNEC

Calcium carbonate (1317-65-3)	
WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup>

Quartz (14808-60-7)	
BOEL V (EU)	Long-term value: 0.1* mg/m <sup>3</sup> *respirable fraction

#### 8.1.5 Control banding

No additional information available

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Appropriate engineering controls:  
Ensure good ventilation of the work station.

### 8.2.2 Personal protection equipment

**Eye protection**

Wear closed safety glasses

**Skin and body protection**

Wear proper protective equipment

**Hand protection**Protective gloves. The following materials are suitable for protective gloves:  
Nitrile impregnated cotton gloves (layer thickness of about 0,15 mm).**Respiratory protection**

If the occupational exposure limit is exceeded

**Thermal hazards**

No additional information available

### 8.2.3 Environmental exposure controls

**Environmental exposure controls:** Avoid release to the environment.**Other information:** Use care during processing to minimize generation of dust. Avoid creating or spreading dust.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Physical state:** Solid**Colour:** White**Appearance:** Powder**Odour:** odourless.**Odour threshold:** Not available**Melting point:** > 1250 °C**Freezing point:** Not available**Boiling point:** Not applicable**Flammability:** Non flammable**Explosive properties:** None**Oxidising properties:** None.**Explosive limits:** Not applicable**Lower explosive limit (LEL):** Not available**Upper explosive limit (UEL):** Not available**Flash point:** Not available**Auto-ignition temperature:** Not available**Decomposition temperature:** Not available**pH:** 11 Aqueous solution**pH solution:** Not available**Viscosity, kinematic:** Not available**Viscosity, dynamic:** Not applicable**Solubility:** Water: 0.1 – 1.5 g/l @ 20°C**Partition coefficient n-octanol/water (Log Kow):** Not available**Vapour pressure:** Not available**Vapour pressure at 50 °C:** Not available**Density:** 2. 0– 2.2 g/cm<sup>3</sup>**Relative density:** Not available**Relative vapour density at 20 °C:** Not available**Particle size:** Not applicable**Particle size distribution:** Not applicable**Particle shape:** Not applicable**Particle aspect ratio:** Not applicable**Particle aggregation state:** Not applicable**Particle agglomeration state:** Not applicable**Particle specific surface area:** Not applicable**Particle dustiness:** Not applicable

## 9.2 Other information

### 9.2.1 Information with regard to physical hazard classes

No additional information available

### 9.2.2 Other safety characteristics

VOC content: < 2 %

Bulk density: 900 – 1200 kg/m<sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Reacts with water.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Acids. ammonium salts. Aluminium.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

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

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

Skin corrosion/irritation: Not classified / pH: 11.5 Aqueous solution

Serious eye damage/irritation: Causes serious eye damage / pH: 11.5 Aqueous solution

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

### Portland cement (65997-15-1)

STOT-single exposure

May cause respiratory irritation.

Viscosity, kinematic

Not applicable



## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

No additional information available

### 11.2.2 Other information

**Potential adverse human health effects and symptoms:** Irritation: severely irritant to eyes

## SECTION 12: Ecological information

### 12.1 Toxicity

**Ecology - general:** The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

**Hazardous to the aquatic environment, short-term (acute):** Not classified

**Hazardous to the aquatic environment, long-term (chronic):** Not classified

#### Portland cement (65997-15-1)

LC50 - Fish [1]

> 1000 mg/l (96 h, Pisces)

### 12.2 Persistence and degradability

#### Portland cement (65997-15-1)

Bioaccumulative potential

No bioaccumulation data available.

### 12.3 Bioaccumulative potential

Bioaccumulative potential

Not potentially bioaccumulable.

#### Portland cement (65997-15-1)

Surface tension

No data available in the literature

Ecology - soil

No (test)data on mobility of the substance available.

### 12.4 Mobility in soil

Ecology - soil

None.

Persistence and degradability

Not applicable. Inorganic Particulate Substances.

BOD (% of ThOD)

Not applicable

**Portland cement (65997-15-1)**

Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
BOD (% of ThOD)	Not applicable

**12.5 Results of PBT and vPvB assessment**

PBT: not relevant	no registration required
vPvB: not relevant	no registration required

**12.6 Endocrine disrupting properties**

No additional information available

**12.7 Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

**Regional waste regulation:** Disposal must be done according to official regulations.

**Waste treatment methods:** Dispose of contents/container in accordance with licensed collector's sorting instructions.

**Product/Packaging disposal recommendations:** Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

**Ecology - waste materials:** Avoid release to the environment.

**European List of Waste (LoW, EC 2000/532):**

17 01 01 - concrete

10 13 14 - waste concrete and concrete sludge

For residues

01 04 07\* - wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
<b>14.1 UN number</b>		
Not applicable	Not applicable	Not applicable
<b>14.2 UN proper shipping name</b>		
Not applicable	Not applicable	Not applicable
<b>14.3 Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
<b>14.4 Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>14.5 Environmental hazards</b>		
Not applicable	Not applicable	Not applicable

No supplementary information available

### 14.6 Special precautions for user

**Overland transport:** Not applicable

**Transport by sea:** Not applicable

**Air transport:** Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol 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(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals) Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants) Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

VOC content: < 3 %

Other information, restriction and prohibition regulations:

1. Cement and cement-containing mixtures shall not be placed on the market, or used, if they contain, when hydrated, more than 2 mg/kg (0,0002 %) soluble chromium VI of the total dry weight of the cement.

2. If reducing agents are used, then without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of cement or cement-containing mixtures is visibly, legibly and indelibly marked with information on the packing date, as well as on the storage conditions and the storage period appropriate to maintaining the activity of the reducing agent and to keeping the content of soluble chromium VI below the limit indicated in paragraph 1.

3. By way of derogation, paragraphs 1 and 2 shall not apply to the placing on the market for, and use in, controlled closed and totally automated processes in which cement and cement-containing mixtures are handled solely by machines and in which there is no possibility of contact with the skin.

#### 15.1.2 National regulations

No additional information available

#### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out

4. The standard adopted by the European Committee for Standardization (CEN) for testing the water-soluble chromium (VI) content of cement and cement-containing mixtures shall be used as the test method for demonstrating conformity with paragraph 1.

5. Leather articles coming into contact with the skin shall not be placed on the market where they contain chromium VI in concentrations equal to or greater than 3 mg/kg (0,0003 % by weight) of the total dry weight of the leather.

6. Articles containing leather parts coming into contact with the skin shall not be placed on the market where any of those leather parts contains chromium VI in concentrations equal to or greater than 3 mg/kg (0,0003 % by weight) of the total dry weight of that leather part.

7. Paragraphs 5 and 6 shall not apply to the placing on the market of second-hand articles which were in end-use in the Union before 1 May 2015.

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

**SECTION 16: Other information**

Full text of H- and EUH-statements:		
Eye Dam. 1	Category 1	Serious eye damage/eye irritation
H315		Causes skin irritation.
H317		May cause an allergic skin reaction.
H318		Causes serious eye damage.
H335		May cause respiratory irritation
Skin Irrit. 2	Category 2	Skin corrosion/irritation
Skin Sens. 1	Category 1	Skin sensitisation
STOT SE 3	Category 3	Specific target organ toxicity – Single exposure, Respiratory tract irritation

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.

