

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: PICS Wallcrete
- Contains Portland cement and hydrated lime.

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

- Use of Substance / mixture: An imprintable render for internal and external vertical surfaces.
- Use Advised against: No information available.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: PICS Ltd
- Address of Supplier: Unit 2 & 4
Red Shute Hill Ind Estate
Hermitage
Newbury
Berkshire
RG18 9QL
UK
- Telephone: +44 (0) 1635 202224
- Email: info@picsuk.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1635 202224
(office hours only Mon– Fri 08:00 – 17:30)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Dam. 1, H318; STOT SE 3, H335.
- Additional information: For full text of hazard- and EU Hazard-statements: See section 16.

2.2 Label elements



- Signal word: Danger
- Hazard statements:
H315: Causes skin irritation.
H317: May cause an allergic reaction.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
- Precautionary statements:
P260: Do not breathe dust.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352+P333+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician.
P501: Dispose of contents/container to an authorised waste collection point.
- Supplemental hazard information (EU)
EUH203: Contains chromium (VI). May produce and allergic reaction.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

| Chemical Name | Conc. | CAS No. | EC No. | Classification (REGULATION (EC) No 1272/2008) [CLP/GHS] | REACH Registration Number | WEL /OEL |
|---|----------|------------|-----------|---|-------------------------------|----------|
| limestone; calcium carbonate | 70 – 80% | 1317-65-3 | 215-279-6 | Not classified | - | Yes |
| cement, portland | 10 – 20% | 65997-15-1 | 266-043-4 | Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Dam. 1, H318; STOT SE 3, H335 | 01-2119457435 -35-XXXX | Yes |
| hydrated lime; calcium dihydroxide | 1 – 10% | 1305-62-0 | 215-137-3 | Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335 | - | Yes |
| amorphous alumina silicate; perlite | < 1% | 93763-70-3 | 618-970-4 | Not Classified | Exempted | Yes |
| kaolin | < 1% | 1332-58-7 | 310-194-1 | Not Classified | - | Yes |
| methanol | < 0.1% | 67-56-1 | 200-659-6 | Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370 | 01- 2119433307 -44-XXXX | Yes |
| formaldehyde...% | < 0.1% | 50-00-0 | 200-001-8 | Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Skin Sens. 1, H317; Eye Dam. 1, H318; Muta. 2, H341; Carc. 1B, H350 | 01- 2119488953 -20-XXXX | Yes |
| silicon dioxide | < 0.1% | 7631-86-9 | 231-545-4 | Not Classified | - | Yes |

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with eyes: If substance has got into eyes, immediately wash out with plenty of water for several minutes. Irrigate eyes thoroughly whilst lifting eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
- Contact with skin: Wash affected area with plenty of soap and water. Remove contaminated clothing. IF skin irritation occurs: Get medical advice/attention.
- Ingestion: Rinse mouth with water (do not swallow). Do NOT induce vomiting. Give plenty of water to drink. Get immediate medical advice/attention.
- Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep warm and at rest, in a half upright position. Loosen clothing. Apply artificial respiration only if patient is not breathing but do not use mouth to mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes: May cause severe damage with formation of corneal ulcers and permanent impairment of vision.
- Contact with skin: May cause an allergic skin reaction. Dry material causes skin irritation, wet material causes skin burns.
- Ingestion: May cause gastro-intestinal irritation. May cause burns to the mouth and throat.
- Inhalation: May cause respiratory tract irritation. May cause breathing difficulty.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

- Corrosive.

5.3 Advice for firefighters

- Collect contaminated fire extinguishing water separately. This **MUST** not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- No special precautions are required for this product.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Rescuers should take suitable precautions to avoid becoming casualties themselves.
- Personal precautions for non-emergency personnel: Do not breathe dust. Avoid contact with skin and eyes. Wear protective clothing as per section 8. Wash thoroughly after handling. Personal precautions for emergency responders: Avoid contact with skin and eyes. Wear protective clothing as per section 8.

6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses.
- If polluted water reached drainage systems or water courses, immediately inform appropriate authorities.

6.3 Methods and material for containment and cleaning up

- Collect as much as possible in clean container for reuse or disposal.
- Dry cement: Use clean up methods such as vacuum clean-up or vacuum extraction. (Industrial portable units, equipped with high efficiency air filters (EPA and HEPA filters, EN 1822-1:2009) or equivalent technique) which does not cause airborne dispersion. Never use compressed air. Alternatively, wipe up the dust by mopping, wet brushing or by using water sprays or hoses (fine mist to avoid that the dust becomes airborne) and remove slurry. If not possible, remove by slurring with water (see wet cement). When wet cleaning or vacuum cleaning is not possible and only dry cleaning with brushes can be done, ensure that the workers wear the appropriate personal protective equipment and prevent dust from spreading. Avoid inhalation of cement and contact with skin. Place spilled materials into a container. Solidify before disposal.
- Wet cement: Clean up wet cement and place in a container. Allow material to dry and solidify before disposal.

6.4 Reference to other sections

- See section(s): 7,8 & 13

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Prevent formation of dust.
- Use only outdoors or in a well-ventilated area.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask.
- Do not eat, drink or smoke when using this product.
- Do not get in eyes, on skin, or on clothing.
- Wear protective gloves.
- Wear goggles giving complete eye protection.
- Wash contaminated clothing before reuse.
- Contaminated work clothing should not be allowed out of the workplace.
- Wash thoroughly after use.

7.2 Conditions for safe storage, including any incompatibilities

- Keep only in the original container.
- Keep container tightly closed, in a cool, well ventilated place.
- Protect from moisture.
- Opened containers should be carefully resealed and stored in an upright position.
- Keep away from acid.

7.3 Specific end use(s)

- An imprimable render for internal and external verticle surfaces.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- Limestone; calcium carbonate
WEL (long term) 10 mg/m³ (inhalable dust, UK).
WEL (long term) 4 mg/m³ (respirable, UK).
- Cement, Portland
WEL (long term) 10 mg/m³ (inhalable dust, UK).
WEL (long term) 4 mg/m³ (respirable, UK).

- Hydrated lime; calcium dihydroxide
(EU) OELV (long term TWA) 1 mg/m³.
(EU) OELV (short term limit value) 4 mg/m³.
WEL (long term) 5mg/m³ (UK).
DNEL (inhalational) 1 mg/m³ Industry, Long Term, Local Effects.
DNEL (inhalational) 4mg/m³ Industry, Acute/Short Term, Local Effects.
DNEL (inhalational) 1mg/m³ Consumer, Long Term, Local Effects.
DNEL (inhalational) 4 mg/m³ Consumer, Acute/Short Term, Local Effects.
PNEC aqua (freshwater) 490 ug/l.
PNEC aqua (intermittent releases, freshwater) 490 ug/l.
PNEC aqua (marine water) 320 ug/l.
PNEC (STP) 3 mg/l.
PNEC terrestrial (soil) 1 080 mg/kg.
- Amorphous alumina silicate; perlite
WEL (long term) 10 mg/m³ (inhalable dust, UK).
WEL (long term) 4 mg/m³ (respirable dust, UK).
- Kaolin
WEL (long term) 2 mg/m³ (respirable dust, UK).
- Methanol
(EU) OELV (long term TWA) 200 ppm 260 mg/m³
WEL (long term TWA) 200 ppm 266 mg/m³ (UK, can be absorbed through the skin).
WEL (short term limit value) 250 ppm 333 mg/m³ (UK, can be absorbed through the skin).
DNEL (inhalational) 260 mg/m³ Industry, Long Term, Systemic Effects.
DNEL (inhalational) 260 mg/m³ Industry, Acute/Short Term, Systemic Effects.
DNEL (inhalational) 260 mg/m³ Industry, Long Term, Local Effects.
DNEL (inhalational) 360 mg/m³ Industry, Acute/Short Term, Local Effects.
DNEL (dermal) 40 mg/kg (bw/day) Industry, Long Term, Systemic Effects.
DNEL (dermal) 40mg/kg (bw/day) Industry, Acute/Short Term, Systemic Effects.
DNEL (inhalational) 50 mg/m³ Consumer, Long Term, Systemic Effects.
DNEL (inhalational) 50 mg/m³ Consumer, Acute/Short Term, Systemic Effects.
DNEL (inhalational) 50 mg/m³ Consumer, Long Term, Local Effects.
DNEL (inhalational) 50 mg/m³ Consumer, Acute/Short Term, Local Effects.
DNEL (dermal) 8 mg/kg (bw/day) Consumer, Long Term, Systemic Effects.
DNEL (dermal) 8 mg/kg (bw/day) Consumer, Acute/Short Term, Systemic Effects.
DNEL (oral) 8 mg/kg (bw/day) Consumer, Long Term, Systemic Effects.
DNEL (oral) 8 mg/kg (bw/day) Consumer, Acute/Short Term, Systemic Effects.
PNEC aqua (freshwater) 20.8 mg/l.
PNEC aqua (marine water) 2.08 mg/l.
PNEC aqua (intermittent releases, freshwater) 1.54 g/l.
PNEC (STP) 100 mg/l.
PNEC sediment (freshwater) 77 mg/kg.
PNEC sediment (marine water) 7.7 mg/kg.
PNEC terrestrial (soil) 100 mg/kg.
- Silicon dioxide
WEL (long term) 6 mg/m³ (inhalable dust, UK).
WEL (long term) 2.4 mg/m³ (respirable dust, UK).
- Formaldehyde...%
WEL (long term TWA) 2 ppm 2.5 mg/m³ (UK).
WEL (short term limit value) 2 ppm 2.5 mg/m³ (UK).
DNEL (inhalational) 9 mg/m³ Industry, Long Term, Systemic Effects.
DNEL (inhalational) 375µg/m³ Industry, Long Term, Local Effects.
DNEL (inhalational) 750µg/m³ Industry, Acute/Short Term, Local Effects.
DNEL (dermal) 240 mg/kg (bw/day) Industry, Long Term, Systemic Effects.
DNEL (dermal) 37µg/m³ Industry, Long Term, Local Effects.
DNEL (inhalational) 3.2 mg/m³ Consumer, Long Term, Systemic Effects.
DNEL (inhalational) 100 µg/m³ Consumer, Long Term, Local Effects.
DNEL (dermal) 102 mg/kg (bw/day) Consumer, Long Term, Systemic Effects.
DNEL (dermal) 12 µg/m² Consumer, Long Term, Local Effects.
DNEL (oral) 4.1 mg/kg (bw/day) Consumer, Long Term, Systemic Effects.
PNEC aqua (freshwater) 440 µg/l.
PNEC aqua (intermittent releases) (freshwater) 4.44 mg/l.
PNEC aqua (intermittent releases) (freshwater) 4.44 mg/l.
PNEC aqua (marine water) 440 µg/l.
PNEC (STP) 190 µg/l.
PNEC sediment (freshwater) 2.3 mg/kg.
PNEC sediment (marine water) 2.3 mg/kg.
PNEC terrestrial (soil) 200 µg/kg.

8.2 Exposure Controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential.
- If practicable, engineering controls should be provided where airborne concentrations exceed exposure limits.
- No respiratory protection is needed if ventilation/extraction is adequate. Otherwise wear approved dust mask.
- Where a reusable half mask respirator is required, use EN 140 mask and EN 143 particle filter, or EN 1827.
- Where a full face mask respirator is required, use EN 136, with particle filter EN143.

- Wear goggles giving complete eye protection.
- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- The selection of suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Use a suitable barrier cream to protect skin.
- Wear suitable protective clothing.
- Wear boots.
- Contaminated work clothing should not be allowed out of the workplace.
- Contaminated clothing should be laundered before reuse.
- Use good personal hygiene practices.
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.
- Ensure eyewash stations and safety showers are nearby.



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: White; powder.
- Odour: None.
- Odour threshold: No information available.
- pH: 12 – 14.
- Melting point/freezing point: > 800 °C (calcium carbonate).
- Initial boiling point and boiling range: No information available.
- Flashpoint: Not applicable.
- Evaporation Rate: No information available.
- Flammability (solid,gas): Not flammable.
- Upper/lower flammability or explosive limits: Not applicable.
- Vapour Pressure: Not applicable.
- Vapour density: Not applicable.
- Relative density: 2 – 3 g/cm³
- Solubility(ies): Partially soluble in water.
- Partition coefficient (n-Octanol/Water): No information available.
- Autoignition temperature: No information available.
- Decomposition temperature: No information available.
- Viscosity: No information available.
- Explosive properties: No information available.
- Oxidising properties: No information available.

9.2 Other information

- VOC content: Max 0.05%.

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reaction known if used for its intended purpose.

10.2 Chemical stability

- Considered stable under normal conditions.

10.3 Possibility of hazardous reactions

- Reacts with acids with the evolution of heat and carbon dioxide.

10.4 Conditions to avoid

- Avoid formation of dust.
- Keep away from moist air or water.

10.5 Incompatible materials

- Incompatible with acid
- Incompatible with aluminium
- Incompatible with ammonia solution

- Incompatible with oxidising substances.

10.6 Hazardous decomposition products

- No information available.
-

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: Based on available data, the classification criteria are not met. LC50 (inhalation, rat) (hydrated lime) 6.04 mg/l/4h.
 - Skin corrosion/irritation: Causes skin irritation. Classification based on calculation and concentration thresholds.
 - Serious eye damage/irritation: Causes serious eye damage. Classification based on calculation and concentration thresholds.
 - Respiratory or skin sensitisation: May cause an allergic skin reaction. Classification based on calculation and concentration thresholds.
 - Germ cell mutagenicity: No evidence of mutagenic effects.
 - Carcinogenicity: No evidence of carcinogenic effects.
 - Reproductive toxicity: No evidence of reproductive effects.
 - Specific target organ toxicity (STOT) - Single exposure: STOT SE 3. May cause respiratory irritation. Classification based on calculation and concentration thresholds.
 - Specific target organ toxicity (STOT) - Repeated exposure: Based on available data, the classification criteria are not met.
 - Aspirational hazard: Based on available data, the classification criteria are not met.
 - Contact with eyes: May cause severe damage with formation of corneal ulcers and permanent impairment of vision.
 - Contact with skin: Dry material causes skin irritation, wet material causes skin burns. May cause dermatitis.
 - Ingestion: May cause burns to mouth and throat. May cause gastro-intestinal irritation. Causes nausea/vomiting.
 - Inhalation: Effect may vary from irritation of the nasal mucous membrane to severe lung irritation. May cause shortness of breath.
-

SECTION 12: Ecological information

12.1 Toxicity

- Based on available data, the classification criteria are not met.
- Hydrated lime; calcium dihydroxide:
LC50 (fish) 50.6 mg/l (4 days).
EC50 (aquatic invertebrates) 49.1 mg/l (48 hr).
EC50 (aquatic algae) 184.57 mg/l (72 hr)

12.2 Persistence and degradability

- Not readily biodegradable.

12.3 Bioaccumulative potential

- No information available.

12.4 Mobility in soil

- No information available.

12.5 Results of PBT and vPvB Assessment

- Not a PBT according to REACH Annex XIII.
- Not a vPvB according to REACH Annex XIII.

12.6 Other adverse effects

- May cause adverse effects in the aquatic environment due to high pH.
-

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- For disposal, harden with water and dispose of the hardened product as concrete waste.
- Disposal should be in accordance with local, state or national legislation.
- Dispose of contents/container to an authorised waste collection point.

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
-

SECTION 14: Transport information

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

14.1 UN Number

- UN No.: Not applicable.
 - 14.2 UN proper shipping name
 - Proper shipping name: Not applicable.
 - 14.3 Transport hazard class(es)
 - Hazard Class: Not applicable.
 - 14.4 Packing group
 - Packing group: Not applicable.
 - 14.5 Environmental hazards:
 - Not applicable.
 - 14.6 Special precaution for user
 - No special precautions are required for this product.
 - 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code
 - Not applicable.
 - 14.8 Road/Rail (ADR/RID)
 - Proper Shipping Name: Not applicable.
 - ADR UN No.: Not applicable.
 - ADR Hazard Class: Not applicable.
 - ADR Packing Group: Not applicable.
 - Tunnel Code: Not applicable.
 - 14.9 Sea (IMDG)
 - Proper Shipping Name: Not applicable.
 - IMDG UN No.: Not applicable.
 - IMDG Hazard Class: Not applicable.
 - IMDG Pack Group: Not applicable.
 - 14.10 Air (ICAO/IATA)
 - Proper Shipping Name: Not applicable.
 - ICAO UN No.: Not applicable.
 - ICAO Hazard Class: Not applicable.
 - ICAO Packing Group: Not applicable.
-

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 - This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
 - Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.
 - 15.2 Chemical safety Assessment
 - A REACH chemical safety assessment has not been carried out.
-

SECTION 16: Other information

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

Sources of data: Information from published literature and internal company data.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Skin Irrit. 2, H315: Classification based on calculation and concentration thresholds.
- Skin sens. 1B, H317: Classification based on calculation and concentration thresholds.
- Eye Dam. 1, H318: Classification based on calculation and concentration thresholds.
- STOT SE 3, H335: Classification based on calculation and concentration thresholds.

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H225: Highly flammable liquid or vapour.
 - H301 Toxic if swallowed.
 - H311: Toxic in contact with skin.
 - H314: Causes severe skin burns and eye damage.
 - H315: Causes skin irritation.
 - H317: May cause an allergic skin reaction.
 - H318: Causes serious eye damage.
-

- H331: Toxic if inhaled.
- H335: May cause respiratory irritation.
- H341: Suspected of causing genetic defects.
- H350: May cause cancer.
- H370: Causes damage to organs.

Acronyms:

- CAS: Chemical Abstracts Service.
- DNEL: Derived No-Effect Level.
- EC: European Community.
- EC50: Effective Concentration, 50%.
- GHS: Globally Harmonised System.
- LC50: Lethal Concentration, 50%.
- LD50: Lethal Dose, 50%.
- NOAEL: No Observed Adverse Effect Level.
- OEL: Occupational Exposure Limit.
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted No- Effect Concentration.
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- STOT RE: Specific Target Organ Toxicity Repeated Exposure.
- STOT SE: Specific Target Organ Toxicity Single Exposure.
- vPvB: Very Persistent and Very Bioaccumulative.
- WEL: Workplace Exposure Limit.

--End of Safety Data Sheet--