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

1.1 Product identifier

- Product Name: PICS Primer Pro Slurry
- Contains Portland cement

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

- Use of the substance/mixture: priming paving materials being bonded to a fresh mortar bed
- 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 skin 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 CENTER or doctor/physician.
P501 - Dispose of contents/container to an authorised waste collection point

- Supplemental Hazard Information (EU)
  EUH203 - Contains chromium (VI). May produce an 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
quartz (SiO2); crystalline silica flour	50 - 70%	14808-60-7	238-878-4	Not Classified	Exempted	Yes
cement, portland	20 - 30%	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
limestone	< 1%	1317-65-3	215-279-6	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
  Take off contaminated clothing and wash it before reuse.
  Wash affected area with plenty of soap and water
  If skin irritation or rash occurs: Get medical advice/attention.

- Ingestion
  Rinse mouth with water (do not swallow)
  Do NOT induce vomiting.
  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

SECTION 4: First aid measures (....)

Immediately call a POISON CENTER or doctor/physician.

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 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: 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 reaches 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 do 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 slurrying 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.

SECTION 6: Accidental release measures (....)

- **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

7.3 Specific end use(s)

Colouring and hardening the surface of freshly placed concrete

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

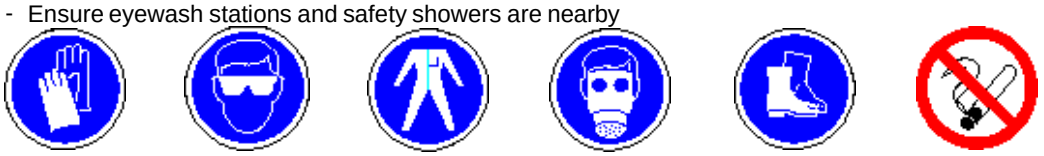
- quartz (SiO2); crystalline silica flour
  WEL (long term) 0.1 mg/m3 (respirable crystalline silica, UK)
- cement, portland
  WEL (long term) 10 mg/m3 (inhalable dust, UK)
  WEL (long term) 4 mg/m3 (respirable dust, UK)
- limestone
  WEL (long term) 10 mg/m3 (inhalable dust, UK)
  WEL (long term) 4 mg/m3 (respirable dust, UK)

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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 EN 143
- 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 a 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: Grey; powder
- Odour: None
- Odour threshold: No information available
- pH: 12 - 14 (aqueous solution)
- Melting point/freezing point: >1250 °C (cement)
- Initial boiling point and boiling range: No information available
- Flashpoint: No information available
- 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: 2.8 - 3.2
- Solubility(ies): Negligible in water
- Partition Coefficient (n-Octanol/Water): Not applicable
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: Non-explosive

- Oxidising properties: Not oxidising

9.2 Other information

- No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

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

10.5 Incompatible materials

- Incompatible with aluminium
- Incompatible with acid
- Incompatible with ammonia solution
- Incompatible with oxidizing substances

10.6 Hazardous decomposition products

- Refractories containing crystalline silica may, after service, contain more or less crystalline silica. Care must be taken to avoid and/or control dust from demolition. If in doubt of the proper protection, seek advice from a safety professional.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute Toxicity
  Based on available data, the classification criteria are not met
- 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
  Long term exposure to crystalline silica can cause silicosis
- Aspiration 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.
  Long term exposure to crystalline silica can cause silicosis

SECTION 12: Ecological information

12.1 Toxicity

- Based on available data, the classification criteria are not met

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

Not classified as hazardous for transport

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 precautions 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:

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

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 datasheet ---