
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Stonewash

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

- Use of the substance/mixture: Cleaning exterior paved 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
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]: Not Classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

- Symbols: None
- Signal Word: None
- Hazard statements
None
- Precautionary statements
None
- Supplemental Hazard Information (EU)
EUH210 - Safety data sheet available on request

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

SECTION 3: Composition/information on ingredients (.....)

Chemical Name	Conc.	CAS No.	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	REACH Registration Number	WEL /OEL
chloroacetic acid	<1%	79-11-8	201-178-4	Acute Tox. 3, H301; Acute Tox. 3, H311; Skin Corr. 1B, H314; Acute Tox. 3, H331; Aquatic Acute 1, H400	-	Yes
formic acid	<1%	64-18-6	200-579-1	Skin Corr. 1A, H314	-	Yes
propylene glycol; propane-1,2-diol	<1%	57-55-6	200-338-0	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
If eye irritation persists: Get medical advice/attention.
- Contact with skin
Wash affected area with plenty of soap and water
If skin irritation occurs: Get medical advice/attention.
- Ingestion
Rinse mouth with water (do not swallow)
Do NOT induce vomiting.
IF exposed or concerned: Call a doctor.
- Inhalation
Remove patient to fresh air
Keep warm and at rest, in a half upright position. Loosen clothing
Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes
May cause redness and irritation
- Contact with skin
May cause skin irritation
- Ingestion
May cause gastro-intestinal irritation
- Inhalation
May cause respiratory tract irritation.

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

SECTION 5: Firefighting measures (....)

- Gives off irritating or toxic fumes (or gases) in a fire.

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.
 - Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
-

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: Avoid breathing vapours, mist or gas; Avoid contact with skin and eyes; Wear protective clothing as per section 8; Wash thoroughly after handling.
- Personal precautions for emergency responders: Avoid breathing vapours, mist or gas; Avoid contact with skin and eyes; Wear protective clothing as per section 8; Wash thoroughly after dealing with spillage

6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Contain the spillage using bunding
- Absorb spillage in inert material and shovel up
- Place in appropriate container
- Seal containers and label them
- Remove contaminated material to safe location for subsequent disposal
- Dispose of contents/container to an authorised waste collection point

6.4 Reference to other sections

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Avoid breathing vapours, mist or gas
- Use only outdoors or in a well-ventilated area.
- Use personal protective equipment as required.
- Do not get in eyes, on skin, or on clothing.
- Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place

7.3 Specific end use(s)

- To clean exterior hard surfaces, including natural stone, slabs and block paving.
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- chloroacetic acid
 - WEL (long term) 0.3 ppm 1.2 mg/m³ (UK)
 - DNEL (inhalational) 488 ug/m³ Industry, Long Term, Local Effects
 - DNEL (inhalational) 8 mg/m³ Industry, Acute/Short Term, Systemic Effects
 - DNEL (dermal) 70 ug/kg (bw/day) Industry, Long Term, Systemic Effects
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SECTION 8: Exposure controls/personal protection (. ...)

DNEL (inhalational) 61.4 ug/m³ Consumer, Long Term, Systemic Effects
 DNEL (dermal) 35 ug/kg (bw/day) Industry, Long Term, Systemic Effects
 DNEL (oral) 35 ug/kg (bw/day) Consumer, Long Term, Systemic Effects
 PNEC aqua (freshwater) 580 ng/l
 PNEC aqua (intermittent releases, freshwater) 660 ng/l
 PNEC aqua (marine water) 580 ng/l
 PNEC (STP) 1.6 mg/l
 PNEC sediment (freshwater) 400 ng/kg
 PNEC sediment (marine water) 400 ng/kg
 PNEC terrestrial (soil) 6 ug/kg
 PNEC secondary poisoning (food) 12 ug/kg

- formic acid
 - (EU) OELV (long term TWA) 5 ppm 9 mg/m³
 - WEL (long term) 5 ppm 9.6 mg/m³ (UK)
 - DNEL (inhalational) 9.5 mg/m³ Industry, Long Term, Local Effects
 - DNEL (inhalational) 3 mg/m³ Consumer, Long Term, Local Effects
 - PNEC aqua (freshwater) 2 mg/l
 - PNEC aqua (intermittent releases, freshwater) 1 mg/l
 - PNEC aqua (marine water) 200 ug/l
 - PNEC (STP) 7.2 mg/l
 - PNEC sediment (freshwater) 13.4 mg/kg
 - PNEC sediment (marine water) 13.4 mg/kg
 - PNEC terrestrial (soil) 1.5 mg/kg
- propylene glycol; propane-1,2-diol
 - WEL (long term) 10 mg/m³ (particulates, UK)
 - WEL (long term) 150 ppm 474 mg/m³ (total vapour & particulates, UK)
 - DNEL (inhalational) 168 mg/m³ Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 10 mg/m³ Industry, Long Term, Local Effects
 - DNEL (inhalational) 50 mg/m³ Consumer, Long Term, Systemic Effects
 - DNEL (inhalational) 10 mg/m³ Consumer, Long Term, Local Effects
 - PNEC aqua (freshwater) 260 mg/l
 - PNEC aqua (intermittent releases, freshwater) 183 mg/l
 - PNEC aqua (marine water) 26 mg/l
 - PNEC (STP) 20 g/l
 - PNEC sediment (freshwater) 572 mg/kg
 - PNEC sediment (marine water) 57.2 mg/kg
 - PNEC terrestrial (soil) 50 mg/kg

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
- In case of inadequate ventilation wear respiratory protection.
- Where a reusable half mask respirator is required, use EN 140, with gas/vapour filter EN 14387 type ABEK, or EN 405; EN 1827
- Where a full face mask respirator is required, use EN 136, with gas/vapour filter EN 14387 type ABEK
- Wear safety glasses approved to standard EN 166.
- Wear suitable protective clothing
- 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.
- Do not eat, drink or smoke when using this product.



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid; opaque; white
- Odour: None
- Odour threshold: No information available
- pH: 6 - 7
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: No information available
- Flashpoint: Not applicable
- Evaporation Rate: No information available
- Flammability (solid,gas): Not applicable
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: Not applicable
- Vapour Density: Not applicable
- Relative Density: No information available
- Solubility(ies): 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: Non-explosive
- Oxidising properties: Not oxidising

9.2 Other information

- No information available
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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

- No information available

10.5 Incompatible materials

- Considered stable under normal conditions

10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides
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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
Based on available data, the classification criteria are not met
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SECTION 11: Toxicological information (...)

- Serious eye damage/irritation
Based on available data, the classification criteria are not met
 - Respiratory or skin sensitisation
Based on available data, the classification criteria are not met
 - 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
Based on available data, the classification criteria are not met
 - Specific target organ toxicity (STOT) - repeated exposure
Based on available data, the classification criteria are not met
 - Aspiration hazard
Based on available data, the classification criteria are not met
 - Contact with eyes
May cause redness and irritation
 - Contact with skin
May cause skin irritation
 - Ingestion
May cause irritation of the throat
 - Inhalation
May cause respiratory tract irritation.
-

SECTION 12: Ecological information

12.1 Toxicity

- Based on available data, the classification criteria are not met
- chloroacetic acid
LC50 (fish) 57 mg/l (35 days)
EC50 (aquatic invertebrates) 88 mg/l (48 hr)
EC50 (aquatic algae) 28 ug/l (48 hr)
- formic acid
LC50 (fish) 130 mg/l (4 days)
EC50 (aquatic invertebrates) 365 mg/l (48 hr)
EC50 (aquatic algae) 1.24 g/l (72 hr)
- propylene glycol; propane-1,2-diol
LC50 (fish) 40.613 g/l (4 days)
LC50 (aquatic invertebrates) 18.34 g/l (48 hr)
EC50 (aquatic algae) 19 g/l (4 days)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

SECTION 12: Ecological information (....)

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

12.6 Other adverse effects

- No information available
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- 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)
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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)

SECTION 14: Transport information (....)

- Proper Shipping Name: Not applicable
 - ICAO UN No.: Not applicable
 - ICAO Hazard Class: Not applicable
 - ICAO Packing Group: Not applicable
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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
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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]:

- Not Classified

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

- H301: Toxic if swallowed
- H311: Toxic in contact with skin
- H314: Causes severe skin burns and eye damage
- H331: Toxic if inhaled
- H400: Very toxic to aquatic life

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
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- end of safety datasheet ---
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