



R603

STONE SEAL

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier: STONE SEAL **Product Code:** R603

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

Durable water and oil resistant penetrating sealer for concrete, brick, grout, terracotta, limestone, sandstone, decorative tiling and other porous or mineral floors and surfaces. Stone Seal provides an invisible protective barrier against oil and water on porous stone surfaces. Stone Seal can be used on internal and external stone floors, subject to testing.

Stone Seal is ready-to-use. Do not dilute further.

Coverage is approximately 150 to 200m² per 5 litres, depending upon porosity of floor.

Always pre-test surface to be treated before proceeding and allow treatment to dry fully before testing and assessing suitability for full application.

Apply Stone Seal solution by low pressure sprayer, brush, roller or mop.

Allow surface to dry completely before use.

Rinse application equipment in water.

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

Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No (office hours 8am to 5pm, Monday to Friday only): 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S

Website: www.prochem.co.uk Email: sales@prochem.co.uk

1.4. Emergency telephone number:

020 8974 1515 (UK) +44 20 8974 1515 (office hours 8am to 5pm, Monday to Friday only).

Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the **UK National Poisons Information Service**, where our full product details are held.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

CLASSIFICATION (1999/45/EC): Not classified.

Most important adverse effects:

Eye Contact: Contact may cause mild eye irritation.

Skin Contact: Prolonged or repeated contact may cause mild irritation. Product is non-irritant when dry.

Inhalation: Exposure to fine spray mists may cause breathing irritation and serious respiratory problems.

Ingestion: Ingestion may cause nausea, headache and weakness.

Environment: No cumulative effects expected. Fluorochemical is inert. See Ecological Information for further details.

2.2. Label elements:

For professional and industrial use only.

Keep out of the reach of children.

Do not breathe spray.

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable gloves and eye/face protection.

During spraying wear suitable respiratory equipment.

Use only in well ventilated areas.

2.3. Other hazards:

See section 8 for details of exposure limits.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures:

SUBSTANCE	RISK (See Section 16)	H Statements (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
No ingredients required to be listed.					

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

Eye Contact: Flush immediately with water for at least 15 minutes, then seek medical attention if irritation persists.

Skin Contact: Wash skin with soap and plenty of water. Seek medical attention if any skin irritation persists.

Inhalation: Get fresh air and seek medical attention if breathing is affected. Give oxygen or artificial respiration if needed.

Ingestion: Rinse mouth and then drink water and seek immediate medical attention. Do not give anything by mouth if patient is unconscious. Do not induce vomiting unless directed to do so by medical personnel.

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

Contact with skin or eyes may cause slight irritation. Ingestion may cause nausea and possible systemic effects.

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

Seek immediate medical attention if swallowed.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing Media:

Product is not flammable. Use water, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.

5.2. Special hazards arising from the substance or mixture:
No explosive hazards. Exposure to fire, and temperatures above 200°C may liberate carbon dioxide, carbon monoxide, hydrogen fluoride, water and other unidentified thermal decomposition products from this product or its packaging.

5.3. Advice for firefighters:

Self contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective clothing as described in section 8 of this sds.

6.2. Environmental precautions:

Do not allow product to enter drains.

6.3. Methods and material for containment and cleaning up:

All spills should be treated with dry absorbent and disposed at legal waste disposal site. Do not let product enter drains.

6.4. Reference to other sections:

See sections 8 and 13 for further information.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Wear nitrile rubber gloves and safety glasses when handling and spraying. During spraying wear suitable respiratory equipment. Do not breathe vapours or spray mist. Keep spraying pressure below 4.1 bar. Use only in well ventilated areas. Do not spray on a naked flame or other incandescent material. Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities:

Avoid extremes of temperature. Do not allow product to freeze. Keep out of reach of children. Keep in original container.

7.3. Specific end use(s):

Durable water and oil resistant penetrating sealer for concrete, brick, grout, terracotta, limestone, sandstone, decorative tiling and other porous or mineral floors and surfaces.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limits not assigned by HSE EH40 or ACGIH.

8.2. Exposure controls:

Eye/Face Protection: Side shield safety glasses are recommended when handling concentrate or during spray application.

Skin Protection: Standard work clothing and nitrile rubber gloves. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Respiratory Protection: For spray applications, where there is a risk of inhaling a fine spray mist, a suitable mask or respirator should be worn.

Ventilation: Use only in well ventilated areas. Allow adequate ventilation in enclosed areas.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance: Opaque pale yellow liquid

Odour: Mild acrylic

Odour Threshold: Not determined

pH Concentrate: 5 **pH Diluted:** Not applicable

Melting point/freezing point °C: Not determined

Initial boiling point and boiling range °C: 100

Flash Point °C: None **Method:** Not applicable

Evaporation Rate: Not determined

Flammability (solid, gas): Not flammable

Upper/lower flammability or explosive limits: Not applicable

Vapour Pressure: Not determined

Vapour Density: Not determined

Relative Density (Water = 1): 1.0

Solubility(ies): 100%

Partition Coefficient (N-octanol / Water): Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not applicable

Explosive Properties: Not applicable

Oxidising Properties: Not applicable

% Active: 3.72

% Solids: 0.5

9.2. Other Information:

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Stable under normal conditions.

10.2. Chemical stability:

Stable

10.3. Possibility of hazardous reactions:

Not determined.

10.4. Conditions to Avoid:

Extremes of temperature.

10.5. Incompatible materials:

None listed.

10.6. Hazardous Decomposition Products:

Irritant decomposition products may be formed at 200°C.

Exposure to fire may liberate thermal decomposition products from this product or its packaging.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

LD50 >5,000mg/kg (oral-rat) (fluoropolymer)

Ingestion may cause possible nausea and systemic effects.

Irritation: Contact with concentrate may cause eye irritation.

Possible skin irritation from prolonged or repeated contact.

Possible upper respiratory irritation from inhalation of atomised spray particles.

Corrosivity : Not corrosive

Sensitisation: None known

Repeated Dose Toxicity: Not established

Carcinogenicity: No effects expected based upon current data.

Mutagenicity: No effects expected based upon current data.

Toxicity for reproduction: No effects expected based upon current data.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

EC50 48h >120mg/l (daphnia) (fluoropolymer)

12.2. Persistence and Degradability:

The raw material ingredients in this product are biodegradable within the scope of current EC legislation. The major packaging materials of polyethylene and fibreboard are recyclable.

12.3. Bioaccumulative Potential:

Not known.

12.4. Mobility in soil:

Soluble in water

12.5. Results of PBT and vPvB assessment:

Report not required.

12.6. Other adverse effects:

None known or no relevant data available for substances in this preparation.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Waste product should be transferred to suitable containers and disposed of in accordance with hazardous waste regulations. Do not allow to enter drains. The container should be disposed of in accordance with regional and national requirements. Contact local Environment Agency office for waste holder requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number: None

14.2. UN Proper Shipping Name: None

14.3. Transport hazard class(es):

Road (ADR): None

Sea (IMDG): None

Rail (RID): None

14.4. Packing Group: None

14.5. Environmental hazards: None

14.6. Special precautions for user: No special precautions required other than those previously mentioned in this safety data sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not intended to be carried as bulk.

SECTION 15: REGULATORY INFORMATION

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

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 4) 2009** (as amended), **REGULATION (EC) No 1272/2008 on CLASSIFICATION, LABELLING and PACKAGING of substances and mixtures**, the **REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) REGULATIONS** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 2002** (as amended) **REGULATION (EC) NO. 648/2004 ON DETERGENTS** (as amended) and the **MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1999** (as amended). This safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety regulations.

15.2. Chemical safety assessment

Not currently available.

SECTION 16: OTHER INFORMATION

Full text of Risk phrases referred to in Section 2 and 3:

None.

Full text of Hazard Statements referred to in Section 2 and 3:

None.

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only.

The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.

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