



Product Specification &

SAFETY DATA SHEET

CHIP / EC FORMAT 1907/2006 AMD 93/112/EC AMD 2001/58/EC

E309

NATURAL STONE CLEANER



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

Product Name: NATURAL STONE CLEANER **Product Code:** E309
Manufacturer: Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No (office hours 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
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.

Product Description & Directions For Use:

Concentrated professional-strength cleaning formula for all fine natural stone flooring. Effectively cleans marble, limestone, terrazzo, saltillo, granite, travertine, ceramic tile, brick. Helps remove oil and soils from porous stone. Safe, gentle neutral pH for sensitive natural stone. Safe to use for routine cleaning with no harsh acids or alkalis. Contains natural lemongrass, eucalyptus and tea tree oil fragrance. Always pre-test surface to be cleaned with diluted solution in an inconspicuous area before proceeding. Do not allow cleaning solution to dry on surfaces. Avoid solution run-off to wood floors, carpets and adjacent areas. Do not mix with other cleaning products. Sweep or vacuum floors prior to cleaning to remove loose dust, dirt and surface debris. Wipe countertops with microfibre cloth. **Routine cleaning:** Dilute 50ml of Natural Stone Cleaner per litre of water (1:20). Apply diluted solution to flooring areas with sprayer or flat mop and allow solution to stand for 10 minutes. Agitate with hand brush or floor scrubbing brush, if required. Rinse floor with clean water and dry with wet pick up vacuum or microfibre pad. For countertops, apply solution with sprayer or damp cloth then wipe with microfibre cloth. **Heavy soiling:** Dilute up to 200ml of Natural Stone Cleaner per litre of water (1:5) and scrub cleaning solution into the stone using a rotary machine, floor brush or hand brush. Allow solution to stand for 10 minutes then rinse with clean water and dry floor with wet pick up vacuum. Allow floors and surfaces to dry completely before re-use.

SECTION 2: HAZARDS IDENTIFICATION

Classification: Not classified.

Eye Contact: Contact may cause moderate eye irritation.

Skin Contact: Prolonged or repeated contact may cause mild irritation.

Inhalation: None expected in normal use. Breathing spray mists may cause temporary irritation of the nose and throat.

Ingestion: Ingestion may cause mild nausea and discomfort.

Environment: Raw materials are biodegradable. See Ecological Information for further details.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Alcohols, C7-21 ethoxylated	Xi R38 R41	None	68991-48-0	Less than 5%
(2-methoxymethylethoxy)propanol	None	252-104-2	34590-94-8	Less than 5%
Sodium octane-1-sulphonate monohydrate	Xi R36/38	226-195-4	5324-84-5	Less than 5%
Tetra-alkyl ammonium chloride	Xi R38 R41	None	61791-10-4	Less than 5%

SECTION 4: FIRST AID MEASURES

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

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

Inhalation: Get fresh air and seek medical assistance if affected.

Ingestion: If ingested, rinse mouth thoroughly, drink water and seek immediate medical attention. Do not give anything by mouth if patient is unconscious. **DO NOT INDUCE VOMITING.**

SECTION 5: FIRE FIGHTING MEASURES

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

Fire/Explosion Hazards: No explosion hazard.

Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen chloride,

water and other unidentified thermal decomposition products from this product or its packaging.

Special Protective Equipment: Self contained breathing apparatus for large amounts involved in fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Protective clothing, nitrile butyl rubber gloves, chemical splash goggles.

Containment and Disposal: Large spills should be treated with dry absorbent and disposed at legal waste disposal site.

Small spills can be flushed with water to sewage drain linked to waste treatment facility.

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Wear nitrile butyl rubber gloves and safety glasses when handling concentrate.

Storage Precautions: Avoid extremes of temperature. Keep out of reach of children. Keep in original container

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: (2-methoxymethylethoxy)propanol (IOELV) WEL-LTEL 50ppm (308mg/m³) (Sk).

Environmental Controls: For additional guidance, contact ENVIROWISE at www.envirowise.gov.uk or telephone 0800 585794

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

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

Respiratory Protection: For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, a suitable respirator face mask is recommended.

Ventilation: Ensure adequate ventilation and good air circulation.

Hygiene: Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Colour/State: Moderate foam clear liquid.

Odour: Natural lemon

pH Concentrate: 7.54 **pH Diluted:** 7.8

Boiling Point / Range °C: 100

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

Flammability Limit %: Not applicable

Explosive Properties: Not applicable

Oxidising Properties: Not applicable

Vapour Pressure: Not determined

Relative Density (Water = 1): 1.01 **Solubility:** 100%

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

Viscosity: Not determined

Vapour Density: Not determined

Evaporation Rate: Not determined

% Active: 9.7

% Solids: 8

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extremes of heat.

Incompatibility (Materials to Avoid): Oxidising agents, strong alkalis and acids.

Hazardous Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen chloride, water and other unidentified thermal decomposition products from this product or its packaging.

SECTION 11: TOXICOLOGICAL INFORMATION

Eye Contact: Contact with concentrate may produce moderate irritation if not promptly rinsed.

Skin Contact: Prolonged or repeated contact may cause irritation.

Inhalation: Inhalation of spray mist may cause irritation of the throat and respiratory system and coughing.

Ingestion: Ingestion may cause temporary gastrointestinal irritation, discomfort and nausea.

Acute and Chronic Effects:

Acute Toxicity: LD50 >3500mg/kg (oral-rat) (2-methoxymethylethoxy)propanol)

LD50 >5000mg/kg (oral-rat) (sodium octane-1-sulphonate monohydrate)

Corrosivity / Irritation: Skin, eye and respiratory

Sensitisation: This product contains limonene and citral.

Repeated Dose Toxicity: None established

Mutagenicity: None

Carcinogenicity: None

Teratogenicity: None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: LC50 96h >10000mg/l (fish) (2-methoxymethylethoxy)propanol)

Mobility: Soluble in water.

Persistence and Degradability: The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent

authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. The major packaging materials of polyethylene and fibreboard are recyclable.

Bioaccumulative Potential: Not known.

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

SECTION 13: DISPOSAL CONSIDERATIONS

Waste cleaning effluent should be disposed of in accordance with regional and national requirements.

Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

Contact local Environment Agency office for waste holder requirements.

SECTION 14: TRANSPORT INFORMATION

UN No: None

Classification: Not classified as hazardous for transport

Proper Shipping Name: None

Packing Group: None

Road (ADR): None

Sea (IMDG): None

Air (ICAO / IATA): None

Rail (RID): None

SECTION 15: REGULATORY INFORMATION

Classification: Not classified as hazardous for supply.

Risk Phrases

None.

Safety Phrases

S2 Keep out of the reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 3) 2002** (as amended), 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.

SECTION 16: OTHER INFORMATION

Risk Phrases: R36 Irritating to eyes. R38 Irritating to skin. R41 Risk of serious damage to eyes.

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.

Revisions: Not applicable.