



**Product Specification &**

**SAFETY DATA SHEET**

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



**A257**

**QMT STONECLEAN**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/Preparation AND OF THE COMPANY/Undertaking**

**Product Name:** QMT STONECLEAN **Product Code:** A257  
**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:**

A special blend of mild acids, detergents and solvent designed for cleaning and restoring stone and metal surfaces. A257 is suitable for use on quarry tiles, terrazzo, porcelain, ceramic tiles, masonry, chrome and aluminium (subject to pre-testing). A257 will effectively remove limescale, cement residues and general soil and grease.  
 General cleaning - Dilute 100ml A257 per litre of water (1 - 10).  
 Renovating and scale removal - Dilute 1 part A257 to 1 part water. For heavy limescale, A257 can be used undiluted, subject to testing.  
**Always pretest surface with A257 solution before proceeding.**  
 Apply by mop, sponge, brush or scrubbing machine. **DO NOT SPRAY.** Scrub surface if required, then allow short period for cleaning action. Rinse well with plenty of clean water, then mop or wet-vacuum dry. Floors can be burnished with a polishing brush or pad when dry.

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification:** Irritating to eyes.  
**Eye Contact:** Contact with concentrate or solution may cause eye irritation.  
**Skin Contact:** Prolonged or repeated contact may cause mild irritation and possible dermatitis.  
**Inhalation:** None expected in normal use. Overexposure to concentrate may produce breathing irritation.  
**Ingestion:** Ingestion of concentrate may produce nausea, stomach cramps and drowsiness.  
**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)
Phosphoric acid	C R34	231-633-2	7664-38-2	5 to 15%
2-(2-Butoxyethoxy)ethanol	Xi R36	203-961-6	112-34-5	Less than 5%

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Flush immediately with water for 15 minutes, then seek medical attention.  
**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 breathing is difficult.  
**Ingestion:** Drink water or milk 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:** None.  
**Decomposition Products:** Exposure to fire may liberate phosphorous oxides, hydrogen gases, carbon oxides 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:** Spills should be treated with dry absorbent and disposed at legal waste disposal site.

**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:** Phosphoric acid (IOELV) WEL-LTEL 1mg/m<sup>3</sup> WEL-STEL 2mg/m<sup>3</sup>  
 2-(2-butoxyethoxy)ethanol (IOELV) WEL-LTEL 10ppm WEL-STEL 15ppm.  
**Environmental Controls:** For additional guidance, contact ENVIROWISE at [www.envirowise.gov.uk](http://www.envirowise.gov.uk) or telephone 0800 585794  
**Eye Protection:** Side shield safety glasses are recommended when handling concentrate.  
**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:** Not required, provided there is good ventilation and air circulation.

**Ventilation:** Normal air circulation. Allow adequate ventilation in enclosed areas.

**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 viscous orange liquid

**Odour:** Mint

**pH Concentrate:** 2 **pH Diluted:** 2.5

**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):** 1.097 **Solubility:** 100

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

**Viscosity:** Not determined

**Vapour Density:** Not determined

**Evaporation Rate:** Not determined

**% Active:** 14.38

**% Solids:** 9

#### **SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** Extremes of temperature.

**Incompatibility (Materials to Avoid):** Strong alkalis, oxidising agents, base metals.

**Hazardous Decomposition Products:** Hydrogen gases when reacting with base metals.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Eye Contact:** Contact with concentrate may produce moderate to severe transient irritation and possible injury if not promptly rinsed.

**Skin Contact:** Possible mild irritation from single contact.

Possible dermatitis from prolonged or repeated contact.

**Inhalation:** Minimal health effects expected in normal use.

Excessive over-exposure to concentrate may produce respiratory irritation.

**Ingestion:** Concentrate is mildly corrosive to mucous membranes of gastrointestinal tract. May produce systemic effects.

**Acute and Chronic Effects:**

**Acute Toxicity:** LD50 1530mg/Kg (oral-rat) (phosphoric acid)

LD50 2740mg/Kg (dermal-rabbit) (phosphoric acid)

LD50 6600mg/Kg (oral-rat) (2-(2-butoxyethoxy)ethanol)

**Corrosivity / Irritation:** Skin, eye and respiratory.

**Sensitisation:** None known.

**Repeated Dose Toxicity:** Not established.

**Mutagenicity:** None.

**Carcinogenicity:** None.

**Teratogenicity:** None.

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not established. Release of large quantities into the aquatic environment may cause damage by effect on pH.

LC50 24h 2700mg/l (goldfish) (2-(2-butoxyethoxy)ethanol)

EC50 48h >1000mg/l (daphnia) (2-(2-butoxyethoxy)ethanol)

**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 established.

**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**

Xi IRRITANT

**Risk Phrases**

R36 Irritating to eyes.

**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:** R34 Causes burns. R36 Irritating 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:** Replaces SDS A257 Issue / Revision Date 01/02/07  
Revised Sections: 1, 2, 3, 8, 12, 15.