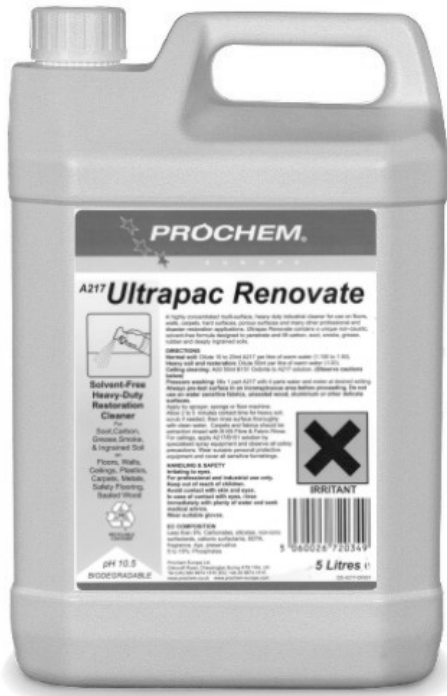




Product Specification &

SAFETY DATA SHEET

CHIP / EC FORMAT 91/155/EEC AMD 93/112/EC AMD 2001/58/EC



A217

ULTRAPAC RENOVATE

SECTION 1: IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name: ULTRAPAC RENOVATE **Product Code:** A217
Manufacturer: Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No: 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S
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 highly concentrated multi-surface, heavy duty industrial cleaner for use on floors, walls, carpets, hard surfaces, porous surfaces and many other professional and disaster restoration applications. Ultrapac Renovate contains a unique non-caustic, solvent-free formula designed to penetrate and lift carbon, soot, smoke, grease, rubber and deeply ingrained soils.

Normal soil: Dilute 10 to 20ml A217 per litre of warm water (1:100 to 1:50).

Heavy soil and restoration: Dilute 50ml per litre of warm water (1:20).

Ceiling cleaning: Add 50ml B151 Oxibrite to A217 solution. (**Observe cautions below**)

Pressure washing: Mix 1 part A217 with 4 parts water and meter at desired setting. **Always pre-test surface in an inconspicuous area before proceeding. Do not use on water sensitive fabrics, unsealed wood, aluminium or other delicate surfaces.**

Apply by sprayer, sponge or floor machine. Allow 2 to 5 minutes contact time for heavy soil, scrub if needed, then rinse surface thoroughly with clean water. Carpets and fabrics should be extraction rinsed with **B109 Fibre & Fabric Rinse**. For ceilings, apply A217/B151 solution by specialised spray equipment and observe all safety precautions. Wear suitable personal protective equipment and cover all sensitive furnishings.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Water	None	None	None	More than 30%
Phosphates	Xi R36	230-785-7	7320-34-5	5 to 15%
Non-ionic surfactant	Xn R22 Xi R41	None	68439-45-2	Less than 5%
Non-ionic surfactant	F R10 Xi R36/38	None	68478-65-9	Less than 5%
Cationic surfactant (Quaternary ammonium compound)	C R34 R22 R67 F R10	230-525-2	7173-51-5	Less than 5%
EDTA	-	-	-	Less than 1%
Carbonates	-	-	-	Less than 1%
Silicates	-	-	-	Less than 1%
Fragrance (IFRA certified)	-	-	-	Less than 1%
Dye	-	-	-	Less than 1%
Preservative	-	-	-	Less than 1%

SECTION 3: HAZARDS IDENTIFICATION

Classification: Irritating to eyes.

Eye Contact: Contact with concentrate may cause moderate eye irritation.

Skin Contact: Prolonged or repeated contact with concentrate may cause irritation and/or mild dermatitis.

Inhalation: None expected. Exposure to fine spray mists may cause temporary irritation of the nose and throat.

Ingestion: Ingestion of concentrate may produce nausea and irritation due to alkalinity.

Environment: Contains a quaternary ammonium compound which is classified as very toxic to aquatic organisms. Raw materials are biodegradable. See Ecological Information for further details.

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 breathing is difficult.

Ingestion: If ingested, rinse mouth thoroughly, drink water or milk 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.

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

Special Protective Equipment: None recommended.

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: Occupational exposure limits not assigned by HSE EH/40 or ACGIH.

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 dust mask is recommended.

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 red liquid

Odour: Characteristic citrus amine

pH Concentrate: 12 **pH Diluted:** 10.5

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): 1.06

Solubility: 100%

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

Viscosity: Not determined

Vapour Density: Not determined

Evaporation Rate: Not determined

% Active: 17

% Solids: 15

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extremes of temperature.

Incompatibility (Materials to Avoid): Strong oxidising agents. Partially de-activated by anionic cleaning agents.

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

SECTION 11: TOXICOLOGICAL INFORMATION

Eye Contact: Contact with liquid may cause moderate eye irritation effects.

Skin Contact: Possible dermatitis from prolonged or repeated contact with concentrate or working solution.

Inhalation: No health effects expected other than possible irritation of respiratory tract by wetting agents in spray form.

Ingestion: Product is alkaline and may be mildly corrosive to mucous membranes.

Acute and Chronic Effects:

Acute Toxicity: LD50 >200<2000mg/kg (alcohol ethoxylate)
LD50: 645mg/kg (Oral – Rat) (Quaternary ammonium compound)

Skin irritation (rabbit, 4h): corrosive (Quaternary ammonium compound)

Corrosivity / Irritation: Skin, eye and respiratory

Sensitisation: None expected.

Repeated Dose Toxicity: Not established

Mutagenicity: None

Carcinogenicity: None

Teratogenicity: None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Contains less than 5% quaternary ammonium compound which is classified as very toxic to aquatic organisms. LC50 fish: 1mg/l 96h (Quaternary ammonium compound)

EC50 Daphnia: 0.094mg/l 48h (Quaternary ammonium compound)

EbC50 Algae: 0.026mg/l 96h (Quaternary ammonium compound)

EC50 Bacteria: 11mg/l 3h (Quaternary ammonium compound)

LC50 fish 1-10mg/l (alcohol ethoxylate)

Mobility: Soluble in water.

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.

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 discharged to a sewage drain, which is linked to a local sewage and waste treatment facility.

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 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 **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSH) 2002** (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: R10 Flammable. R22 Harmful if swallowed. R34 Causes burns. R36 Irritating to eyes. R38 Irritating to skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms. R67 Vapours may cause drowsiness and dizziness. 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 A217 Issue / Revision Date 01/11/04
Revised Sections: 2, 3, 4, 9, 11, 12, 15, 16