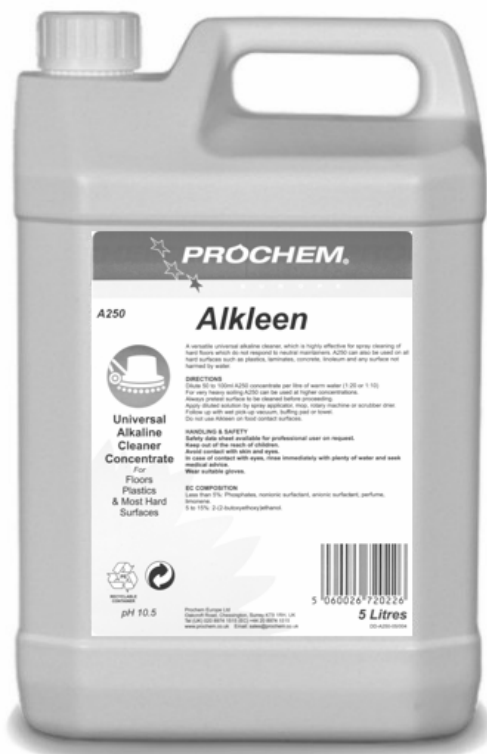




Product Specification &

SAFETY DATA SHEET

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



A250 ALKLEEN

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

Product Name: ALKLEEN **Product Code:** A250

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 versatile universal alkaline cleaner, which is highly effective for spray cleaning of hard floors which do not respond to neutral maintainers. A250 can also be used on all hard surfaces such as plastics, laminates, concrete, linoleum and any surface not harmed by water.

Dilute 50 to 100ml A250 concentrate per litre of warm water (1:20 or 1:10)

For very heavy soiling A250 can be used at higher concentrations.

Always pretest surface to be cleaned before proceeding.

Apply diluted solution by spray applicator, mop, rotary machine or scrubber drier.

Follow up with wet pick-up vacuum, buffing pad or towel.

Do not use Alkleen on food contact surfaces.

SECTION 2: HAZARDS IDENTIFICATION

Classification: Not classified.

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

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

Inhalation: Excessive exposure to atomised spray mists may produce breathing irritation.

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

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)
2-(2-butoxyethoxy)ethanol	Xi R36	203-961-6	112-34-5	5 to 15%
Trisodium phosphate	Xi R36/37/38	231-509-8	10101-89-0	Less than 5%
C9-11 alcohol ethoxylate with 9MEO	Xn R22 Xi R41	None	68439-45-2	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 breathing irritation persists.

Ingestion: If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention.

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: 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 or during prolonged spraying.

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-(2-butoxyethoxy)ethanol (EU-IOELV) WEL-LTEL10ppm WEL-STEL 15ppm.

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

Eye Protection: Side shield safety glasses or goggles 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 normally required. For prolonged spraying a suitable mask is recommended if sensitive to spray.

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: Turquoise blue clear liquid

Odour: Citrus

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): 1.036

Solubility: 100%

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

Viscosity: Not determined

Vapour Density: Not determined

Evaporation Rate: Not determined

% Active: 12.5

% Solids: 9

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extremes of temperature.

Incompatibility (Materials to Avoid): Strong oxidising materials and concentrated acids.

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 concentrate may produce moderate transient irritation if not promptly rinsed.

Skin Contact: Prolonged or repeated contact may cause irritation and possible dermatitis.

Inhalation: Possible respiratory irritation from aerosolised wetting agents.

Ingestion: Product is alkaline and may produce gastro-intestinal irritation and nausea. Possible systemic effects.

Acute and Chronic Effects:

Acute Toxicity: LD50 6600mg/kg (oral-rat) (2-(2-butoxyethoxy)ethanol)

LD50 >2000mg/kg (oral-rat) (trisodium phosphate)

LD50 200-2000mg/Kg (oral-rat) (C9-11 alcohol ethoxylate with 9MEO)

LD50 >2000mg/kg (dermal-rat) (C9-11 alcohol ethoxylate with 9MEO)

Corrosivity / Irritation: Skin, eye and respiratory

Sensitisation: This product contains limonene.

Repeated Dose Toxicity: Not established

Mutagenicity: None

Carcinogenicity: None

Teratogenicity: None

SECTION 12: ECOLOGICAL INFORMATION

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

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

LC50 96h 150mg/l (fish) (trisodium phosphate)

LC50 10-100mg/l (fish) (C9-11 alcohol ethoxylate with 9MEO)

LC50 1-10mg/l (daphnia) (C9-11 alcohol ethoxylate with 9MEO)

LC50 10-100mg/l (algae) (C9-11 alcohol ethoxylate with 9MEO)

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

Cleaning waste 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: R22 Harmful if swallowed. R36 Irritating to eyes.

R37 Irritating to respiratory system. 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: Replaces SDS A250 Issue / Revision Date 01/08/03
Revised Sections: 1, 2, 3, 4, 8, 9, 11, 12, 13, 15, 16.