



Product Specification &

SAFETY DATA SHEET

CHIP / EC FORMAT (EC) 1907/2006



B110

BONNET-BUFF®

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

Product Name: BONNET-BUFF® **Product Code:** B110
Manufacturer: 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
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 new low vapour formula concentrate with anti-soil properties for effective spray cleaning of carpets in conjunction with rotary carpet bonnet pads. Bonnet-Buffer will effectively encapsulate and release soil, leaving a clean, dry and residue free carpet.
 Dilute 1 part B110 Bonnet-Buffer with 16 parts of warm to hot water (300ml per 5 litres of water).
Always pretest carpet for colour fastness with ready-to-use solution before proceeding.
 Apply solution by pressure sprayer fitted with a fan jet at approximately 30 to 40 psi (2 to 3 bar). Do not over wet.
 Apply approximately 5 litres of mixed solution over an area of 30 to 50 square metres, depending upon soil level. Follow up with low speed rotary machine with a soil absorbent or micro-fibre bonnet pad. When pad becomes soiled, reverse or soak in warm water and wring out before re-use. For heavier soils, the pad may be pre-soaked in solution then lightly squeezed in a mop wringer before use. Re-set pile with carpet pile brush or groomer rake and replace furniture on pads or blocks.

SECTION 2: HAZARDS IDENTIFICATION

Classification: Not classified as hazardous.
Eye Contact: Contact with concentrate may cause eye irritation.
Skin Contact: Prolonged contact with concentrate may cause mild irritation.
Inhalation: None expected. Excessive exposure to high concentrations of spray or vapour may cause temporary irritation of the nose and throat.
Ingestion: Deliberate ingestion of concentrate may produce nausea and possible systemic effects.
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-methoxymethylethoxy)propanol	None	252-104-2	34590-94-8	5 to 15%
Tetrapotassium pyrophosphate	Xi R36	230-785-7	7320-34-5	Less than 5%
Disodium maleate	Xi R36	206-738-1	371-47-1	Less than 5%
Sodium xylene sulphonate	Xi R36/37/38	215-090-9	1300-72-7	Less than 5%

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush immediately with water for 15 minutes, then seek medical attention.
Skin Contact: Wash skin with soap and water. Seek medical attention if any skin irritation persists.
Inhalation: Get fresh air and seek medical assistance if breathing is difficult.
Ingestion: 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.

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, organic acids, water and other

unidentified thermal decomposition products from this product or its packaging.
Special Protective Equipment: Self contained breathing apparatus if 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. Store in a cool well-ventilated place away from strong oxidising or alkaline products.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: (2-methoxymethylethyl)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: Not required in normal use.

Ventilation: Normal air circulation. Allow adequate ventilation in enclosed areas. Use air fans if necessary.

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: Low foam pale yellow clear liquid

Odour: Lemon floral

pH Concentrate: 9.3 **pH Diluted:** 8.9

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): 1.04 **Solubility:** 100%

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

Viscosity: Not determined

Vapour Density: Not determined

Evaporation Rate: Not determined

% Active: 21.24

% Solids: 15

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extreme heat.

Incompatibility (Materials to Avoid): Strong oxidising or alkaline agents.

Hazardous Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, 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.

Skin Contact: Possible irritation and/or dermatitis from prolonged or repeated contact.

Inhalation: Excessive exposure may produce respiratory irritation and CNS effects including dizziness, nausea and headache.

Ingestion: Low oral toxicity. If large amounts are ingested may cause systemic effects, nausea, vomiting and diarrhoea.

Acute and Chronic Effects:

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

LD50 >20ml/kg (dermal-rabbit) [(2-methoxymethylethoxy)propanol]

LD50 7h >500ppm (inhalation-rat) [(2-methoxymethylethoxy)propanol]

LD50 >2000mg/kg (oral-rat) (tetrapotassium pyrophosphate)

LD50 >2000mg/kg (oral-rat) (sodium xylene sulphonate)

Corrosivity / Irritation: Skin, eye and respiratory

Sensitisation: This product contains linalool, citral and limonene.

Repeated Dose Toxicity: Not established

Mutagenicity: None

Carcinogenicity: None

Teratogenicity: None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: EC50 48h 1919mg/l (daphnia) [(2-methoxymethylethoxy)propanol]

LC50 96h >10000mg/l (goldfish) [(2-methoxymethylethoxy)propanol]

EC50 96h >969 mg/l (green algae) [(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 4) 2009** (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. R37 Irritating to respiratory system. R38 Irritating to skin.

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 B110 Issue / Revision Date 15/12/08
Revised Sections: 1, 3, 8, 11, 12, 15.