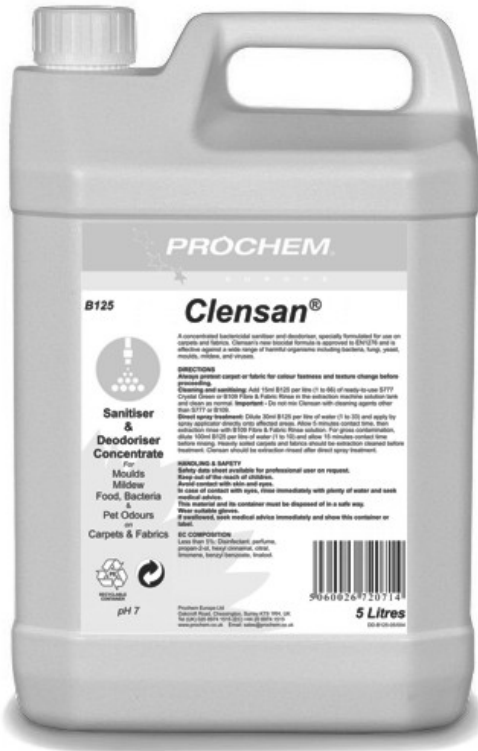




Product Specification &

SAFETY DATA SHEET

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



B125

**CLEMSAN®
CONCENTRATE**

SECTION 1: IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name: CLEMSAN® CONCENTRATE **Product Code:** B125
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
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 concentrated bactericidal sanitiser and deodoriser, specially formulated for use on carpets and fabrics. Clemsan's new biocidal formula is approved to EN1276 and is effective against a wide range of harmful organisms including bacteria, fungi, yeast, moulds, mildew, and viruses.
Always pretest carpet or fabric for colour fastness and texture change before proceeding.
Cleaning and sanitising: Add 15ml B125 per litre (1 to 66) of ready-to-use S777 Crystal Green or B109 Fibre & Fabric Rinse in the extraction machine solution tank and clean as normal. Important - Do not mix Clemsan with cleaning agents other than S777 or B109.
Direct spray treatment: Dilute 30ml B125 per litre of water (1 to 33) and apply by spray applicator directly onto affected areas. Allow 5 minutes contact time, then extraction rinse with B109 Fibre & Fabric Rinse solution. For gross contamination, dilute 100ml B125 per litre of water (1 to 10) and allow 15 minutes contact time before rinsing. Heavily soiled carpets and fabrics should be extraction cleaned before treatment. Clemsan should be extraction rinsed after direct spray treatment.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Quarternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	C R34 Xn R22 N R50	269-919-4	68391-01-5	Less than 1%
Quarternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	C R34 Xn R22 N R50	287-090-7	85409-23-0	Less than 1%
Propan-2-ol	F R11 Xi R36 R67	200-661-7	67-63-0	Less than 1%
Perfume (IFRA certified)	Xn R65 R38 R43 N R51/53	None	None	Less than 1%
Perfume (IFRA certified)	Xi R43 R52/53	None	None	Less than 1%
Hexyl cinnamal	Xi R43	202-983-3	101-86-0	Less than 0.1%
Citral	Xi R38 R43	226-394-6	5392-40-5	Less than 0.1%
Limonene	R10 Xi R38 R43 N R50/53	227-813-5	5989-27-5	Less than 0.1%
Benzyl benzoate	Xn R22	204-402-9	120-51-4	Less than 0.1%
Linalool	None	201-134-4	78-70-6	Less than 0.1%

SECTION 3: HAZARDS IDENTIFICATION

Classification: Not classified.

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

Skin Contact: Prolonged or repeated contact may cause irritation.

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

Ingestion: Deliberate ingestion may produce nausea, vomiting, internal irritation and possible systemic effects.

Environment: Raw materials will biodegrade. Contains less than 1% Quarternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides and C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides which are classified as very toxic to aquatic organisms. See Ecological Information for further details.

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 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 if large amounts involved.

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.

Very 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. Wear respirator

mask when spraying large amounts. Avoid breathing atomised spray.

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

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Propan-2-ol WEL-LTEL 400ppm WEL-STEL 500ppm

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 and spraying.

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. A respirator mask is recommended if spraying for extended periods.

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 or spraying.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Colour/State: Moderate foam clear yellow liquid

Odour: Herbal lemon

pH Concentrate: 7.5 **pH Diluted:** 7.5

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): 1.00 **Solubility:** 100%

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

Viscosity: Not determined

Vapour Density: Not determined

Evaporation Rate: Not determined

% Active: 4.3

% Solids: 3

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extremes of temperature. Product is deactivated by anionic cleaning agents.

Incompatibility (Materials to Avoid): Strong oxidising agents and anionic detergents.

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 irritation if not promptly rinsed.

Skin Contact: Possible mild irritation from prolonged or repeated contact.

Inhalation: No health effects expected other than possible temporary irritation of respiratory tract.

Ingestion: Biocide has low order of toxicity and is present in small amounts.

Acute and Chronic Effects:

Acute Toxicity: The following toxicological data refers to the biocide used in this product:

LD50 778mg/Kg (Oral-rat)

Corrosivity / Irritation: Skin, eye and respiratory.

Sensitisation: This product contains hexyl cinnamal, citral, limonene, benzyl benzoate, linalool.

Repeated Dose Toxicity: Not established.

Mutagenicity: None

Carcinogenicity: None

Teratogenicity: None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Contains less than 1% Quarternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides and C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides which are classified as very toxic to aquatic organisms.

The following ecotoxicological data refers to the biocide used in this product:

LC50 (Zebra Fish) 0.71mg/l 96h

EC50 (Bacteria) 10-100mg/l

Mobility: Soluble in water.

Persistence and Degradability: The raw material ingredients in this product are biodegradable within the scope of current EC legislation. 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.

S35 This material and its container must be disposed of in a safe way.

S37 Wear suitable gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

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 (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: R10 Flammable. R11 Highly flammable. R22 Harmful if swallowed. R34 Causes burns. R36 Irritating to eyes. R38 Irritating to skin. R43 May cause sensitisation by skin contact. R50 Very toxic to aquatic organisms. R51 Toxic to aquatic organisms. R52 Harmful to aquatic organisms. R53 May cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed. 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 B125 Issue / Revision Date 01/03/04
Revised Sections: 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 15, 16