



Product Specification & **SAFETY DATA SHEET**

D500

MICROSAN

PRODUCT DESCRIPTION

Antimicrobial cleaning concentrate for carpets, fabrics and hard surfaces. Bactericide, fungicide, algicide, mildewcide, viricide with USA and European registrations. Antimicrobial Efficacy, Registrations:- USA-EPA No. 6836-18, FDA-No rinse sanitiser for food contact surfaces, EC-BAG No. 56868, Bacteria including - E coli, MRSA, Listeria, Salmonella, Legionella. Virus including - Hepatitis B, HIV-1 (Aids), Herpes simplex.

DIRECTIONS FOR USE

Solutions should always be freshly prepared. Heavily soiled surfaces should be cleaned before treatment. Always wear protective gloves, overalls, mask and eye protection when cleaning blood, bodily fluids and sewage material.

DO NOT MIX MICROSAN WITH OTHER DETERGENTS.

Carpets, fabrics and light soil conditions:
Dilute 10ml to 20ml of concentrate per litre of water(1% to 2%).
Heavy contamination: Dilute 20ml to 30ml of concentrate per litre of water (2% to 3%).
Carpets, fabrics and other sensitive surfaces should always be pre-tested for colour fastness, texture change and suitability before proceeding. Apply mixed solution by sprayer to contaminated surfaces and allow 15 minutes contact time before rinsing.
For gross contamination, re-apply Microsan solution and leave to dry.

Important - See Page 2 for Safety Data Information

Code Unit Case Qty

D500-05 5L 2 X 5L

PHYSICAL AND CHEMICAL PROPERTIES

Form - Clear liquid
Appearance - Moderate foam
Colour - Amber
Odour - Light floral
pH Concentrate - 11.5
pH Diluted - 9.5
% Active - 23.5
% Solids - 17
Flash Point °C - None
Boiling Point °C - 100
Density (Water = 100) - 102
Solubility (Water) % - 100

COMPOSITION / INFORMATION ON INGREDIENTS

| SUBSTANCE | RISK | CAS NO. | % W/W (EC RANGE) |
|----------------------------------|------------------|---------------|------------------|
| Water | - | - | More than 30% |
| Nonionic surfactant | Xn R22 Xi R36/38 | 68131-39-5 | 5 to 15% |
| Didecyldimethylammonium Chloride | F R10 C R34 Xn | R22 7173-51-5 | 5 to 15% |
| EDTA | Xi R36/38 | 64-02-8 | Less than 5% |
| Sodium Carbonate | Xi R36 | 497-19-8 | Less than 5% |
| Fragrance (IFRA certified) | Xi R36/38 | - | Less than 5% |
| Silicate | - | - | Less than 1% |

Manufactured by :

Professional Chemical & Equipment Company Ltd.
Oakcroft Road,
Chessington,
Surrey KT9 1RH, UK.
Tel No: 020 8974 1515
Fax No: 020 8974 1511
URL: www.prochem.co.uk
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Your Authorised Prochem Distributor :

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SAFETY DATA SHEET - Prochem D500 Microsan (Continued)

HAZARDS IDENTIFICATION

Eye Contact - Contact with concentrate may cause eye irritation.

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

Inhalation - Excessive exposure to atomised spray may cause breathing irritation.

Ingestion - Ingestion of concentrate may produce irritation and possible systemic effects.

Environment - May be harmful to aquatic organisms. Raw materials are biodegradable in accordance with EC criteria.

FIRST AID MEASURES

Eye Contact - Rinse immediately with water for 10 minutes and seek medical attention.

Skin Contact - Wash immediately with plenty of water and soap. Seek medical attention if any skin irritation persists.

Inhalation - Get fresh air and seek medical assistance if breathing is difficult.

Ingestion - Rinse out mouth and then drink plenty of water. If swallowed do not induce vomiting. Seek medical advice immediately and show the container or label. Do not give anything by mouth if patient is unconscious.

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 - Product is not flammable.

Decomposition Products - Exposure to fire may liberate small amounts of nitrogen oxides, hydrogen chloride and other organic gases in extreme heat.

Special Protective Equipment - Self contained breathing apparatus for large amounts involved in fire.

ACCIDENTAL RELEASE

Personal Protection - Protective clothing, rubber gloves, chemical splash goggles.

Containment and Disposal - Spills of concentrated product should be treated with dry absorbent and disposed of at a legal waste disposal site. Do not allow concentrated product spillages to reach sewage system or water bodies. Inform water authority if concentrate spill reaches water or sewage system.

HANDLING AND STORAGE

Handling Precautions - Wear rubber gloves and safety glasses when handling concentrate.

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

EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection - Side shield safety glasses are recommended when handling concentrate and during spray applications.

Protective Clothing - Protective overalls and rubber gloves.

Respiratory Protection - Not normally required. Wear mist or vapour mask if spraying large amounts.

Ventilation - Ensure adequate ventilation or use forced air fans.

Hygiene - Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals. Keep away from food stuffs.

STABILITY AND REACTIVITY

Stability - Stable

Conditions to Avoid - Extreme heat.

Incompatibility (Materials to Avoid) - Partial incompatibility with anionic detergents.

Hazardous Decomposition Products - Very small amounts of hydrogen chloride and nitrogen oxide in fire.

Hazardous Polymerisation - Will not occur

TOXICOLOGICAL INFORMATION

Eye Contact - Contact may produce primary irritation effects if not properly rinsed.

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

Inhalation - Possible transient respiratory irritation from wetting agents in atomised spray form.

Ingestion - Product is mildly corrosive to mucous membranes. Possible systemic effects. Low oral toxicity.

Exposure Limits - None for concentrations of raw material ingredients in this product.

ECOLOGICAL INFORMATION

This product contains a quaternary ammonium chloride compound (Water hazard class 2 Germany), alcohol ethoxylate surfactant and EDTA which may be harmful to aquatic organisms. The raw material ingredients in this product are biodegradable within the scope of current EC legislation and are considered to be of insignificant toxicity to aquatic and animal wildlife. The major packaging materials of polyethylene and fibreboard are recyclable.

DISPOSAL CONSIDERATIONS

Waste diluted 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 a legal waste disposal site. Large quantities of product for disposal should be consigned to a licensed haulier in accordance with UK and EC regulations.

TRANSPORT INFORMATION

Classification for Transport

Not classified as hazardous for transport

UN NO. / SI NO. - None

IATA / ICAO Class (Air) - None

IMDG / IMO Class (Sea) - None

ADR / RID Class (Road /Rail) - None

Packaging Group - None

REGULATORY INFORMATION

Classification

Xi IRRITANT

Risk Phrases

R36/38 Irritating to eyes and skin

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.

S39 Wear eye/face protection.

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) 1994** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 1999** (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.

OTHER INFORMATION

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.

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 National Poisons Information Service, where our full product details are held.

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