



**SAFETY DATA SHEET**  
**MICROSAN 1 LITRE SPRAY®**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

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**1.1. Product identifier**

**Product name** MICROSAN 1 LITRE SPRAY®  
**Product number** D500

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Antimicrobial spray cleaner for carpets, fabrics and hard surfaces. Bactericide, Viricide. Antimicrobial Efficacy & Standards (applicable to the active ingredient):-European Test Standard EN1276, Bacteria including - E coli, MRSA, Listeria, Salmonella, Legionella. Virus including - Hepatitis B, HIV-1 (Aids), Herpes simplex. (Contains 6% solution of D500 Microsan Concentrate)

**1.3. Details of the supplier of the safety data sheet**

**Supplier** www.prochem.co.uk  
Prochem Europe Ltd  
Oakcroft Road  
Chessington  
Surrey  
KT9 1RH  
  
Telephone: 020 8974 1515  
Fax: 020 8974 1511  
sales@prochem.co.uk

**1.4. Emergency telephone number**

**Emergency telephone** 020 8974 1515 (office hours 8am to 5pm Monday to Friday) 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.

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**SECTION 2: Hazards identification**

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**2.1. Classification of the substance or mixture****Classification****Physical hazards**

Not Classified

**Health hazards**

Not Classified

**Environmental hazards**

Not Classified

Classification (67/548/EEC or 1999/45/EC)

**Human health**

Contact with solution may cause moderate eye irritation. Prolonged or repeated exposure may cause the following adverse effects: skin irritation and dermatitis. Excessive inhalation of spray, mist or vapour may cause temporary respiratory irritation. Ingestion may cause: irritation systemic effects

**Environmental**

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The product is expected to be biodegradable.

**2.2. Label elements****Hazard statements**

NC Not Classified

**Precautionary statements**

P102 Keep out of reach of children.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P280 Wear protective gloves.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P313 Get medical advice/attention.

**Detergent labelling**

< 5% disinfectants, < 5% perfumes

**2.3. Other hazards**

See section 8 for details of exposure limits.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>DIDECYLDIMETHYLAMMONIUM CHLORIDE</b>		<b>&lt;1%</b>
CAS number: 7173-51-5    EC number: 230-525-2		
M factor (Acute) = 10		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 3 - H301	C;R34 Xn;R22	
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
Aquatic Acute 1 - H400		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion**

Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting.

**Skin contact**

Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

**Eye contact**

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed****Ingestion**

The product irritates mucous membranes and may cause abdominal discomfort if swallowed. systemic effects

**Eye contact**

Contact with solution May irritate eyes and skin.

**4.3. Indication of any immediate medical attention and special treatment needed****Notes for the doctor**

If swallowed: Rinse mouth thoroughly with water.

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### Specific treatments

In the event of contact with eyes or ingestion seek immediate medical help.

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Water spray, dry powder or carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

#### Specific hazards

No unusual fire or explosion hazards noted.

#### Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Nitrous gases (NO<sub>x</sub>). Hydrogen chloride (HCl).

### 5.3. Advice for firefighters

#### Special protective equipment for firefighters

Wear self-contained breathing apparatus.

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## SECTION 6: Accidental release measures

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### 6.1. Personal precautions, protective equipment and emergency procedures

#### Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

#### Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

#### Methods for cleaning up

Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.4. Reference to other sections

#### Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

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## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

#### Usage precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage precautions

Store in closed original container at temperatures between 5°C and 30°C. Keep out of the reach of children.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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## SECTION 8: Exposure Controls/personal protection

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### 8.1. Control parameters

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### Occupational exposure limits

#### **Ingredient comments**

No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### **Protective equipment**



#### **Appropriate engineering controls**

Provide adequate ventilation.

#### **Eye/face protection**

Side shield safety glasses are recommended when handling concentrate or during spray application.

#### **Hand protection**

Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

#### **Hygiene measures**

Wash hands after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using the product.

#### **Respiratory protection**

For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, a suitable respirator face mask is recommended. Wear a respirator fitted with the following cartridge: Particulate filter, type P3.

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## **SECTION 9: Physical and Chemical Properties**

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### 9.1. Information on basic physical and chemical properties

#### **Appearance**

Clear liquid.

#### **Colour**

Straw.

#### **Odour**

Apple.

#### **Odour threshold**

Not determined.

#### **pH**

pH (concentrated solution): 9.5

#### **Melting point**

Not determined.

#### **Initial boiling point and range**

100°C @

#### **Flash point**

Not applicable.

#### **Evaporation rate**

Not determined.

#### **Upper/lower flammability or explosive limits**

Not applicable.

#### **Vapour pressure**

Not determined.

#### **Vapour density**

Not determined.

**MICROSAN 1 LITRE SPRAY®****Relative density**

1.0 @ °C

**Solubility(ies)**

Soluble in water.

**Partition coefficient**

Not determined.

**Auto-ignition temperature**

Not determined.

**Viscosity**

Not determined.

**Explosive properties**

Not applicable.

**Oxidising properties**

Not applicable.

**9.2. Other information****Other information**

None.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

There are no known reactivity hazards associated with this product.

**10.2. Chemical stability****Stability**

Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

Not determined.

**10.4. Conditions to avoid**

Protect from freezing and direct sunlight. Store in closed original container at temperatures between 5°C and 30°C.

**10.5. Incompatible materials****Materials to avoid**

Partial incompatibility with anionic detergents. Avoid contact with the following materials: Oxidising agents. Reducing agents.

**10.6. Hazardous decomposition products**Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Nitrous gases (NO<sub>x</sub>). Hydrogen chloride (HCl).**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicological effects**

Ingestion may cause: systemic effects The product irritates mucous membranes and may cause abdominal discomfort if swallowed. Possible respiratory irritation by wetting agents in atomised spray form.

**Acute toxicity - oral****ATE oral (mg/kg)**

176,296.2962963

**Skin corrosion/irritation****Skin corrosion/irritation**

Prolonged or repeated exposure may cause the following adverse effects: skin irritation and dermatitis.

**Serious eye damage/irritation**

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Contact with solution May irritate eyes.

**Skin sensitisation**

None known.

**Germ cell mutagenicity**

**Genotoxicity - in vivo**

No effects expected based upon current data.

**Carcinogenicity**

No effects expected based upon current data.

**Reproductive toxicity**

**Reproductive toxicity - fertility**

No effects expected based upon current data.

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**SECTION 12: Ecological Information**

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**12.1. Toxicity**

**12.2. Persistence and degradability**

**Persistence and degradability**

The surfactant(s) contained in this product complies(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.

**12.3. Bioaccumulative potential**

Not known.

**Partition coefficient**

Not determined.

**12.4. Mobility in soil**

**Mobility**

The product is soluble in water.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

**12.6. Other adverse effects**

None known.

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**SECTION 13: Disposal considerations**

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**13.1. Waste treatment methods**

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

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**SECTION 14: Transport information**

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**14.1. UN number**

Not classified for transportation.

**14.2. UN proper shipping name**

None.

**14.3. Transport hazard class(es)**

None.

ADR/RID class -

IMDG class -

**MICROSAN 1 LITRE SPRAY®****14.4. Packing group**

None.

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

None.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information****General information**

Telephone 020 8974 1515

**Revision comments**

NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 07/01/2015**Revision** 4**Supersedes date** 30/07/2013**Signature** Aaron Saunders**Risk phrases in full**

NC Not classified.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R50 Very toxic to aquatic organisms.

**Hazard statements in full**

H301 Toxic if swallowed.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.

**Disclaimer**

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.