



Complying to 91/155/EC, 93/112/EC

# Product Safety Data Sheet

## Vetasept Chlorhexidine Surgical Scrub

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	Vetasept Chlorhexidine Surgical Scrub	
<b>Product Code</b>	XHG 007	500ml
	XHG 008	5L
<b>Supplier</b>	Animalcare Ltd, Common Road, Dunnington, York, YO19 5RU, Telephone No. +44 (0) 1904 487687 Fax No. +44 (0) 1904 487611 E-Mail: animalcare@animalcare.co.uk. Emergency Telephone +44 (0) 1904 487687 (daytime)	

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### 2. COMPOSITION / INFORMATION ON COMPONENTS

<b>Dangerous ingredients</b>	<b>CAS No.</b>	<b>EINECS No.</b>
Chlorhexidine Gluconate	18472-51-0	242-354-0
Alkyl Dimethylamine Oxide	70592-80-2	274-687-2
Industrial Methylated Spirit	64-17-5	200-578-6

**Other ingredients:**

Hibitone Perfume	
Glycerin	56-81-5
Purified Water	
Hydroxyethyl Cellulose	
EEC Approved Dye	

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### 3. HAZARDS IDENTIFICATION

Under normal conditions and use it is unlikely to cause any health hazard.

**Human health hazards:** May cause irritation to eyes. May be harmful if swallowed.

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### 4. FIRST AID MEASURES

- Skin contact:** Wash skin with plenty of water in case of accidental contact.
- Eye contact:** Rinse thoroughly immediately with plenty of water for at least 15 minutes keeping eye lid open. Further treatment by eye doctor.
- Inhalation:** N/A
- Ingestion:** Do not induce vomiting. Have patient drink plenty of water in small sips (for dilution). Obtain medical attention.
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### 5. FIRE FIGHTING MEASURES

- Extinguishing Agents:** Water spray, foam or dry chemical.
- Protective Equipment:** Wear self contained breathing apparatus for fire fighting.
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### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Wear protective clothing.
- Environmental Precautions:** Try to prevent the material from entering drains or water courses. Obtain advice of the Local Authority or waste disposal company.
- Spillages:** Contain and absorb using earth, sand, or other inert material. Dispose of absorbed material in accordance with Local Authority regulations.
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### 7. HANDLING AND STORAGE

- Avoid eye contact.
- Storage area should be dry, well ventilated and away from sources of heat, ignition and direct sunlight.
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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- UK Occupational Exposure Standards:**  
**Data for Ethanol is given below:**  
UKEH40: OES 1000ppm (1900mg/m<sup>3</sup>) 8hr TWA

- General Protection and Hygiene:** The usual precautionary measures for dealing with chemicals should be observed. No eating, drinking, smoking or snuffing tobacco at work. Wash face and/or hands before break and end of work. Avoid contact with skin, eyes and clothing.
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**Eye protection:** Chemical goggles  
**Body protection:** Wear suitable protective clothing.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Liquid	<b>Colour:</b>	Red
<b>Odour:</b>	Characteristic	<b>Vapour Pressure:</b>	< 5mbar
<b>Viscosity:</b>	110 to 250 cPs (Brookfield Viscometer spindle 92, speed 10)	<b>Density:</b>	1.0 to 1.1 at 20°C
<b>Solubility:</b>	Freely soluble in water	<b>Flashpoint:</b>	> 50°C
<b>pH Value:</b>	5.0 to 7.5		

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### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Hazardous decomposition products:** Combustion will generate oxides of carbon, and hydrogen chloride. Avoid light effect/sun rays.

**Hazardous reactions:** Avoid oxidising agents. Sulphuric Acid, Nitric Acid.

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### 11. TOXICOLOGICAL INFORMATION

**Toxicological properties:**

**Oral:** Harmful  
LD50 (rat) 2000 mg/kg (Chlorhexidine Gluconate Solution).  
LD50 (rat) 6200 to 17800 mg/kg (Industrial Methylated Spirit)  
LD50 (rat) 3000 mg/kg (Amine Oxide)  
LD50 (rat) 12600 mg/kg (Glycerin)

**Dermal:** Repeated contact may cause irritation, skin sensitization.

**Inhalation:**

**Permissible concentrations (Air):**  
UKEH40: OES 1000ppm (1900mg/m<sup>3</sup>) 8hr TWA.

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### 12. ECOLOGICAL INFORMATION

**Mobility:** The product will dissolve rapidly in water.  
The product is poorly absorbed onto soils and sediments.

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**Persistence/Degradability:**

This product is expected to be readily biodegradable.

**Bio-accumulation:**

Amine oxide, glycerine and hydroxyethyl cellulose are readily biodegradable. Data for ethanol and the perfume suggests that they are unlikely to bio-accumulate. Data for Chlorhexidine Gluconate suggests that is likely to bio-accumulate.

**Ecotoxicity:** Data for ethanol is given below:

Tests on the following species gave a 48h > 9000 of LC50mg/1: fish/daphnia.

Toxicity threshold concentration (cell multiplication inhibition test) 5000mg/1: algae.

Bacterial inhibition tests show that the material is not inhibitory to biomass.

Data for chlorhexidine gluconate given below:

Aquatic toxicity

Acute fish toxicity: LC50 (96h) = 10.4mg/1: LCO (96h) = 10.0mg/1:

Brachydanio rerio, OECD 203.

Toxicity to crustaceans: EC50 (48h) > 0.05mg/1 < 0.10mg/1, Daphnia pulex, DEV, DIN 38412, T.11.

Toxicity to algae: IC50 (72h) = 0.011mg/1. Scenedesmus subspicatus, OECD 201.

Subacute toxicity to algae: IC50 (10 days) = 4.4mg/1, green algae.

Behaviour in water treatment plants:

Pseudomonas putida, beginning obstruction of cell multiplication with approximately 3mg/1, DEV, DIN 38412, T.8

Further ecological information: COD value 219000mg/1. BOD5 value: 0mg/1

Data for Amine Oxide given below:

LC50 (96h) = 10 – 100mg/litre for Zebrafish

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### 13. DISPOSAL CONSIDERATIONS

**Product Disposal:** Dispose of in accordance with the regulations issued by the appropriate local authorities.

**Container Disposal:** Do not cut, puncture or weld on or near the container. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be disposed of by land fill or incinerated as appropriate. Do not incinerate closed containers.



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### 14. TRANSPORT INFORMATION

This product is not hazardous and hence not regulated.

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### 15. REGULATORY INFORMATION

**Classification:** Not classified

**Labelling:** Not classified

**Symbol(s):** Not classified

**R-Phrases:** R22 Harmful if swallowed.

R36 Irritation to eyes.

**S-Phrases:** S1/2 Keep locked up and out of reach of children.

S7 Keep containers tightly closed.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

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### 16. OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of their use.

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