

All surfactants used in this product comply with the current European Regulations concerning Biodegradability and protection of the environment.

## Product Information

# BIOGEN

## Virucidal Disinfectant

- Kills a wide range of bacteria & viruses to help prevent infection.
- Will remove general soiling & disinfect in one operation.
- Unperfumed
- Safe for use on carpets & all hard surfaces.
- BS EN 1276-1997 approved.

### Product Description:

**BIOGEN** is ideal for use in nursing homes & health care establishments, animal sector, leisure centres, health sectors and many more for treating hard surfaces & soft furnishings contaminated with potentially infectious soiling. **BIOGEN** kills a range of pathogenic micro organisms including the viruses that cause Hepatitis B & HIV and the bacteria MRSA (Methicillin Resistant *Staphylococcus aureus*).

### Directions and Dilutions:

**General Hard Surfaces:** Dilute 1:10 parts hot water (500ml per 5lt) 2½ cupfuls per 5lt. Wear disposable gloves. Remove any soiling & dispose of safely. Mop or wipe surface. Do not rinse.

**Carpets:** Dilute 1:10 parts hot water (500ml per 5lt) 2½ cupfuls per 5ltr. Wear disposable gloves. Remove soiling & dispose of safely. Wipe or spray contaminated area & leave for 5 minutes, apply further amounts & gently agitate carpet with soft nylon scrubbing brush. Blot carpet with paper towels and dispose of safely. For body fluid contaminations dilute 1:5 and treat as above. Dilute 1:80 parts cold water (60ml per 5lt).

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### Useful Information:

**Product Characteristics:** Purple, with slight odour liquid.

**Storage:** Store in original sealed container and protect from extremes of temperature.

**Availability:** Available 2 x 5L boxes

**Composition:** Contains a blend of quaternary ammonium compound, glycol ether, sequestering agent, ethoxylated amine, amphoteric & non-ionic surfactants

*For any further information on this product or any other Sky Chemicals product, please contact us and we will be more than willing to help.*

# Safety Data Sheet

## 1) IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

**PRODUCT NAME:** BIOGEN

**CODE:** A024

**DATE UPDATED:** 26/07/10

**SKY CHEMICALS UK LTD, UNIT 12 SHEFFIELD DESIGN STUDIOS, 40 BALL STREET, SHEFFIELD, S3 8DB**

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## 2) COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS-No.	Content	Classification
2-AMINOETHANOL	205-483-3	141-43-5	1-5%	C;R34 Xn;R20/21/22
C13-15 ALCOHOL ETHOXYLATE (7EO)		68131-39-5	1-5%	Xn;R22. Xi;R41. N;R50.
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	270-325-2	68424-85-1	1-5%	Xn;R21/22. C;R34. N;R50.
TRISODIUM NITRILATE	225-768-6	5064-31-3	1-5%	Xi;R36/38.

The Full Text for all R-Phrases are Displayed in Section 16

## 3) HAZARDS IDENTIFICATION

Irritating to eyes and skin.

**CLASSIFICATION** Xi;R36/38.

## 4) FIRST AID MEASURES

**INHALATION:** Not relevant. Inhalation unlikely.

**INGESTION:** DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.

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

**EYE CONTACT:** Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

## 5) FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** This product is not flammable. Use fire-extinguishing media appropriate for surrounding Materials.

**SPECIFIC HAZARDS:** If involved in fire, may emit noxious fumes.

**PROTECTIVE MEASURES IN FIRE:** Protective clothing and respiratory protection should be worn when tackling fires involving this product.

## 6) ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Avoid contact with eyes. Avoid contact with skin.

**ENVIRONMENTAL PRECAUTIONS:** Large spillages or uncontrolled discharges into rivers or streams must be reported to The Environment Agency or other regulatory body.

**SPILL CLEAN UP METHODS:** Small quantities may be flushed to drains with plenty of water. Large Spillages Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal as special waste.

## 7) HANDLING AND STORAGE

**USAGE PRECAUTIONS:** Avoid contact with skin and eyes.

**STORAGE PRECAUTIONS:** Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from Oxidising material.

## 8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Name	Std	LT - ppm	LT- mg/m3	ST - ppm	ST - mg/m3
2-AMINOETHANOL	WEL	3 ppm	7.6 mg/m3	6 ppm	15 mg/m3

**INGREDIENT COMMENTS:** WEL = Workplace Exposure Limits

**ENGINEERING MEASURES:** Not applicable.

**RESPIRATORY EQUIPMENT:** None required.

**HAND PROTECTION:** For prolonged or repeated skin contact the use of household rubber gloves is advisable.

**EYE PROTECTION:** Eye protection recommended.

**OTHER PROTECTION:** Wear appropriate clothing to prevent any possibility of skin contact.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Liquid

**COLOUR:** Pale Straw

**ODOUR:** Faint surfactant

**SOLUBILITY:** Soluble in water

**BOILING POINT (°C):** 101

**MELTING POINT (°C):** -1

**RELATIVE DENSITY:** 1.016 @ 20 °c

**pH-VALUE, CONC.SOLUTION:** 11.00

**FLASH POINT (°C):** boils without flashing

## 10) STABILITY AND REACTIVITY

**STABILITY:** No particular stability concerns.

**MATERIALS TO AVOID:** None.

## 11) TOXICOLOGICAL INFORMATION

Refer to section 3.

**Other Health Effects:** Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

## 12) ECOLOGICAL INFORMATION

**ECOTOXICITY:** Not regarded as dangerous for the environment.

**BIOACCUMULATION:** Completely soluble. No bioaccumulation.

**DEGRADABILITY:** Surfactant is readily broken down by effluent treatment process.

## 13) DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS:** Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

## 14) TRANSPORT INFORMATION

**GENERAL:** Not classified for Transport.

**UN NO. ROAD:** 0

## 15) REGULATORY INFORMATION

**LABELLING:** Irritant

**RISK PHRASES:** R36/38 Irritating to eyes and skin.

**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.

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

**ENVIRONMENTAL LISTING:** Hazardous Waste (England and Wales) Regulations.

**EU DIRECTIVES:** System of specific information relating to Dangerous Preparations. 2001/58/EEC. As amended by Directive 93/112/EC and 2001/58/EC.

**STATUTORY INSTRUMENTS:** Chemicals (Hazard Information and Packaging) Regulations. 2005

**APPROVED CODE OF PRACTICE:** The compilation of safety Data Sheets L130.

**GUIDANCE NOTES:** Workplace Exposure Limits EH40. As amended in 2005. Approved guide to the Classification and Labelling of Substances and Preparations Dangerous for Supply. L100

## 16) OTHER INFORMATION

**INFORMATION SOURCES:** Approved Supply List - HSC. Material Safety Data Sheet, Misc. manufacturers.

**REVISION COMMENTS:** Amendment to section 2.

**REVISION DATE:** 26<sup>th</sup> July 2010

**REV. NO./REPL. SDS GENERATED:** Issue 3

**RISK PHRASES IN FULL:**

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R21/22 Harmful in contact with skin and if swallowed.

R22 Harmful if swallowed.

R34 Causes burns.

R36/38 Irritating to eyes and skin.

R37 Irritating to respiratory system.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.