



# 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.
- Meets requirements of EN1276:2009, EN1650:2008+A1:2013, EN13697:2015, and EN14476:2013+A2:2019 standards (at 1:9 dilution).

### 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 microorganisms including the viruses that cause Hepatitis B & HIV, and the bacteria MRSA (Methicillin Resistant *Staphylococcus aureus*).

### Directions and Dilutions:

**General:** When diluted 1:9 parts water this product passes:  
EN 1276:2009, EN1276:2009 Listeria, EN1650:2008+A1:2013, EN13697:2015,  
EN14476:2013+A2:2019.

Bacteria tested: *Candida albicans*, *Listeria monocytogenes*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Enterococcus hirae*.

Virus' tested: Vacciniavirus and Feline Coronavirus.

Meets EN1276 and EN14476 in a contact time of 30 Seconds. Food Safe (EN1650 & EN13697) achieved in a contact time of 2 minutes.

**Carpets:** Dilute 1:9 parts hot water (500ml per 5 litres) 2½ cupfuls per 5 litres. 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.

### 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.*


SECTION 1: Identification of the substance/mixture and of the company / undertaking			
<b>1.1 Product identifier</b>		<b>1.3 Details of the supplier of the safety data sheet</b>	
Product name	Biogen	Company name	Sky Chemicals (UK) Ltd
Synonyms	Sterilising Fluid Concentrate	Address	Unit 12 Sheffield Design Studios 40 Ball street, Sheffield S3 8DB
Other means of identification	BIO	Telephone / Fax	0114 278 0222 / 0114 272 7750
<b>1.2 Relevant identified uses, and uses advised against</b>		Website	www.skychemicals.co.uk
Relevant identified uses	Antibacterial sterilising spray	Email	info@skychemicals.co.uk
Uses advised against	Use as directed	<b>1.4 Emergency telephone number</b>	
		Emergency number	0114 278 0222 (M-F 09:00-17:00)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to CLP	H315 Causes skin irritation. Skin Corrosion / Irritation Category 2 H318 Causes serious eye damage. Eye Damage / Irritation Category 1
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### 2.2 Label elements

Hazard pictograms	
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Signal word	Danger
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Hazard statements	H315 - Causes skin irritation. H318 - Causes serious eye damage.
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### Precautionary statement(s):

Prevention	P264 Wash hands and other contacted skin thoroughly after handling. P280 Wear protective gloves/eye protection/face protection.
Response	P302/352 IF ON SKIN: Wash with plenty of soap and water. P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332/313 If skin irritation occurs: Get medical advice/attention. P337/313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.

### Storage

### Disposal

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

See Section 3.2

### 3.2 Mixtures

Name	CAS No.	EC No.	Classification	Percent
Alcohols, C12-13, branched and linear, ethoxylated	160901-19-9	931-954-4	H302 - Acute Tox. 4 H318 - Eye Dam. 1 H412 - Aquatic Chronic 3	5 - 10%
Tetrasodium ethylenediaminetetraacetate	64-02-8	200-573-9	H302 - Acute Tox. 4 H318 - Eye Dam. 1	1 - 5%
Benzyl-C12-14 -alkyldimethylammonium chlorides	85409-22-9	939-350-2	H302 - Acute Tox. 4 H314 - Skin Corr. 1B H400 - Aquatic Acute 1	1 - 5%
Didecyldimethylammonium chloride	7173-51-5	230-525-2	H302 - Acute Tox. 4 H314 - Skin Corr. 1B	1 - 5%
Propan-2-ol	67-63-0	200-661-7	H225 - Flam. Liq. 2 H319 - Eye Irrit. 2 H336 - STOT SE 3	1 - 5%

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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<b>Skin contact</b>	IF ON SKIN: Wash with plenty of soap and water.
<b>Inhalation</b>	No Issues expected. Seek medical assistance if problem persists.
<b>Ingestion</b>	Rinse mouth with water. Seek medical assistance if problem persists.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
<b>Eye contact</b>	Causes serious eye damage.
<b>Skin contact</b>	Causes skin irritation.
<b>Inhalation</b>	
<b>Ingestion</b>	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
<b>Ingestion</b>	
<b>Skin and Eye</b>	None expected, see Section 4.1 for further information.
<b>Inhalation</b>	
<b>SECTION 5: Firefighting measures</b>	
<b>5.1 Extinguishing media</b>	
<b>Suitable media</b>	Carbon dioxide, Dry chemical, Foam.
<b>Unsuitable media</b>	
<b>5.2 Special hazards arising from the substance or mixture</b>	
<b>Hazardous combustion products</b>	Carbon monoxide, Unidentified organic compounds.
<b>5.3 Advice for firefighters</b>	
<b>Fire Fighting</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>SECTION 6: Accidental release measures</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.	
<b>6.2 Environmental precautions</b>	
Keep away from drains, surface and ground water, and soil.	
<b>6.3 Methods and material for containment and cleaning up</b>	
Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.	
<b>6.4 Reference to other sections</b>	
Also refer to sections 8 and 13.	
<b>SECTION 7: Handling and storage</b>	
<b>7.1 Precautions for safe handling</b>	
<b>Safe handling</b>	Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.
<b>Fire and explosion</b>	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
<b>Other information</b>	
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Suitable storage</b>	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
<b>Storage incompatibility</b>	Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
<b>7.3 Specific end uses</b>	
<b>Recommendations</b>	Antibacterial sterilising spray: Use in accordance with good manufacturing and industrial hygiene practices.
<b>SECTION 8: Exposure controls/personal protection</b>	
<b>8.1 Control parameters</b>	
<b>Workplace exposure limits:</b> Not Applicable	
<b>8.2 Exposure controls</b>	
<b>8.2.1 Engineering controls</b> Under normal conditions of use this material should not require special engineering controls.	
<b>8.2.2 Personal protection equipment:</b>	
<b>Eye and face protection</b>	Wear protective gloves/eye protection/face protection
<b>Skin protection</b>	Wear protective gloves/eye protection/face protection
<b>Hands protection</b>	Wear protective gloves/eye protection/face protection

**Respiratory protection** Under normal conditions of use this material should not require special engineering controls.  
Also refer to Sections 2 and 7.

### 8.2.3 Environmental exposure controls:

Dispose of contents/container to approved disposal site, in accordance with local regulations.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Red liquid	<b>Physical state:</b>	Liquid
<b>Odour:</b>	Wax / Soap	<b>Flash point:</b>	>94°
<b>pH:</b>	11	<b>pH (as solution):</b>	n/a

### 9.2 Other information

None available

## SECTION 10: Stability and Reactivity

<b>10.1 Reactivity</b>	Presents no significant reactivity hazard, by itself or in contact with water.
<b>10.2 Chemical stability</b>	Good stability under normal storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	Not expected under normal conditions of use.
<b>10.4 Conditions to avoid</b>	Avoid extreme heat.
<b>10.5 Incompatible materials</b>	Avoid contact with strong acids, alkalis or oxidising agents.
<b>10.6 Hazardous decomposition products</b>	Not expected.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>Acute toxicity</b>	Based on available data the classification criteria are not met.
Acute Toxicity Oral	3026
Acute Toxicity Dermal	>5000
Acute Toxicity Inhalation	Not available
<b>Skin corrosion/irritation</b>	Skin Corrosion / Irritation Category 2
<b>Serious eye damage/irritation</b>	Eye Damage / Irritation Category 1
<b>Respiratory or skin sensitisation</b>	Based on available data the classification criteria are not met.
<b>Germ Cell mutagenicity</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data the classification criteria are not met.
<b>STOT-single exposure;</b>	Based on available data the classification criteria are not met.
<b>STOT-repeated exposure</b>	Based on available data the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.

### Information about hazardous ingredients in the mixture:

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE EC Inhalation	LC50 Route
Alcohols, C12-13, branched and linear, ethoxylated	160901-19-9	931-954-4	500	2000	Not available	Not available
Didecyldimethylammonium chloride	7173-51-5	230-525-2	500	Not available	Not available	Not available
Benzyl-C12-14 -alkyldimethylammonium chlorides	85409-22-9	939-350-2	500	Not available	Not available	Not available
Tetrasodium ethylenediaminetetraacetate	64-02-8	200-573-9	500	Not available	Not available	Not available

## SECTION 12: Ecological information

<b>12.1 Toxicity</b>	Not available
<b>12.2 Persistence and degradability</b>	Not available
<b>12.3 Bioaccumulative potential</b>	Not available
<b>12.4 Mobility in soil</b>	Not available
<b>12.5 PBT and vPvB assessment</b>	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
<b>12.6 Endocrine disrupting properties</b>	Not available
<b>12.7 Other adverse effects</b>	Not available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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**Product disposal** Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment.

**Packaging disposal** Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### SECTION 14: Transport Information

<b>14.1 UN number or ID number</b>	Not classified
<b>14.2 UN proper shipping name</b>	Not classified
<b>14.3 Transport hazard class(es)</b>	Not classified
<b>14.4 Packing group</b>	Not classified
<b>14.5 Environmental hazards</b>	Not environmentally hazardous for transport
<b>14.6 Special precautions for user</b>	None
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not classified

#### SECTION 15: Regulatory information

##### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (WGK): 3

##### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

#### SECTION 16: Other information

<b>Date of issue:</b>	<b>22<sup>nd</sup> April 2024</b>	<b>Version number:</b>	<b>2024/04</b>
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#### Abbreviations

Acute Tox. 4	Acute Toxicity - Oral Category 4
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2	Eye Damage / Irritation Category 2
Flam. Liq. 2	Flammable Liquid, Hazard Category 2
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P301/330/331	If swallowed: Rinse mouth. Do not induce vomiting.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P337/313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
Skin Corr. 1A	Skin Corrosion / Irritation Category 1A
Skin Corr. 1B	Skin Corrosion / Irritation Category 1B