



## SAFETY DATA SHEET

### Virosol Disinfectant Cleaner Concentrate

#### SECTION 1: Identification of the substance/preparation and of the company/undertaking

##### 1.1 Product Identifier

<b>Product Name</b>	<b>Virosol Disinfectant Cleaner Concentrate</b>
<b>Product Number</b>	Various
<b>Container Size</b>	5L

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

<b>Identified Uses</b>	Water based disinfectant and cleaner
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##### 1.3 Details of the supplier of the safety data sheet

<b>Supplier</b>	Virosmart Birdlip Gloucester GL4 8JH
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##### 1.4 Emergency telephone number

<b>Emergency telephone</b>	+44 1452 865236 (Office hours only)
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#### SECTION 2: Hazards Identification

##### 2.1 Classification of the substance or mixture

###### Classification

<b>Physical hazards</b>	Skin Irrit. 2 – H315
<b>Health hazards</b>	Eye Dam. 1 – H318
<b>Environmental hazards</b>	Not classified

##### 2.2 Label elements

###### **Pictogram**



###### **Signal word**

Danger

###### **Hazard statements**

H318 Causes serious eye damage.

H315 Causes skin irritation



EUH208: Contains polyhexamethylene biguanide hydrochloride. May produce an allergic reaction.

### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P264 Wash hands thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P321 Specific treatment (see medical advice on this label)  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water  
 P332+P313 If skin irritation occurs: Get medical advice/attention  
 P362 Take off contaminated clothing and wash before reuse  
 P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

### Supplementary precautionary Statements

P260 Do not breathe vapour/spray  
 P405 Store locked up  
 P501 Dispose of contents/container in accordance with national regulations

### 2.3 Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Benzyl Alkyldimethyl Chloride

CAS number: 68424-85-1

EC number: 270-325-2

<8%

#### Classification

Acute Tox. 3 - H301

Acute Tox. 3 - H311

Skin Corr. 1C - H314

Eye Dam. 1 - H318

Aquatic Acute 1 - H400

#### Polyhexamethylene biguanide hydrochloride

CAS number: 27083-27-8/ 32289-58-0

EC number: N/A

<1%

#### Classification

Acute Tox. 4 - H302

Eye Dam. 1 - H318

Skin Sens. 1B - H317

Acute Tox. 2 - H330

Carc. 2 - H351

STOT RE 1 - H372 (respiratory tract) (Inhalation)

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

#### Alkyl C9-C11 Ethoxylate

CAS number: 68439-45-2

EC number: 614-481-5

3-5%



<b>Classification</b> Not Classified
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<b>Dipropylene glycol monomethylether</b> CAS number: 34590-94-8      EC number: 252-104-2	<b>1-5%</b>
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<b>Classification</b> Not Classified
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<b>Ethylene Diamine Tetra Acetate</b> CAS number: 64-02-8      EC number: 200-573-9	<b>1-5%</b>
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<b>Classification</b> Acute Tox. 4 – H302 Eye Dam. 1 – H318
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<b>Phosphoric Acid</b> CAS number: 7664-38-2      EC number: 231-633-2	<b>&lt;1%</b>
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<b>Classification</b> Skin Corr. 1B – H314
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<b>Water</b> CAS number: 7732-18-5      EC number: 231-791-2	<b>&gt;75%</b>
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<b>Classification</b> Not Classified
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The full text for all Precautionary Phrases and Hazard Statements are displayed in Section 16

#### SECTION 4: First Aid Measures

##### 4.1 Description of first aid measures

**General information**      Treat as symptomatic

**Inhalation**      Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Keep affected person under observation. Get medical advice/attention if you feel unwell.

**Ingestion**      Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If breathing stops, provide artificial respiration. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention immediately.

**Skin contact**      Remove contaminated clothing and rinse skin thoroughly with plenty of soap and water. Get medical attention if symptoms are severe or persist after washing. Wash clothing and clean shoes thoroughly before reuse.

**Eye contact**      Remove any contact lenses and open eyelids wide apart. Rinse with water for at least 15 minutes and get medical attention immediately.

##### 4.2 Indication of any immediate medical attention and special treatment needed



**Notes for the doctor** Treat symptomatically

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** Use any fire-extinguishing media suitable for the surrounding fire.  
**media**

**Unsuitable extinguishing media** Direct water jet may spread fire.

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

**Specific hazards** Combustion may cause toxic fumes.

### 5.3 Advice for firefighters

**Protective equipment** Use protective equipment appropriate for surrounding materials with additional breathing apparatus. Do not breathe fumes.

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this data sheet. Do not touch or walk into spilled material. Do not allow product to enter eyes.

### 6.2 Environmental Precautions

**Environmental precautions** Do not discharge concentrate into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environment Agency or other appropriate regulatory body.

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

**Methods for cleaning** Absorb large spillages with sand or any suitable medium. Flush away small spillages with plenty of water. Do not touch or walk into spilled material. Dispose of contents/container in accordance with local regulations.

### 6.4. Reference to other sections

**Reference to other Sections** For personal protection, See Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Usage precautions** Do not handle until all safety precautions have been read and understood. Avoid direct contact with the substance. Avoid skin and eye contact. Do not eat, drink or smoke when using this product.

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

**Storage precautions** Store in a cool and well-ventilated place. Keep container tightly closed. Keep from freezing.

**Incompatible materials** Acids. Keep away from strong oxidising agents.

## SECTION 8. Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limits** No information available.

### 8.2 Exposure controls

#### Protective equipment



#### Appropriate engineering Controls

Provide adequate ventilation

#### Eyes/face protection

Wear eye protection according to EN 166, designed to protect against liquid splashes.

#### Hand protections

Wear impervious gloves (EN374).

#### Other skin and body

Wear appropriate clothing to prevent any possibility of skin contact. Wear appropriate footwear. Provide eyewash station.

#### Respiratory protection

Provide adequate ventilation.

## SECTION 9: Physical and Chemical Properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Green/Blue/Purple/Clear
<b>Odour</b>	Apple/Mint/Lavender/Odourless
<b>Odour threshold</b>	No information available.
<b>pH</b>	pH (concentrated solution): 6-7.5
<b>Melting point</b>	0 °C
<b>Initial boiling point and range</b>	> 100°C @ 760 mm Hg
<b>Flash point</b>	> 100°C
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	Not flammable.



<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Other flammability</b>	No information available.
<b>Vapour pressure</b>	No information available.
<b>Vapour density</b>	No information available.
<b>Relative density</b>	1.010 @ 20°C
<b>Bulk density</b>	No information available.
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	> 210°C
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	75 mPa s @ 20°C
<b>Explosive properties</b>	Not explosive.
<b>Explosive under the influence of a flame</b>	No information available.
<b>Oxidising properties</b>	Not oxidising.

## 9.2. Other information

<b>Refractive index</b>	No information available.
<b>Particle size</b>	No information available.
<b>Saturation concentration</b>	No information available.
<b>Critical temperature</b>	No information available.
<b>Volatile organic compound</b>	No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

**Reactivity** Stable under recommended transport and storage conditions

### 10.2 Chemical stability

**Stability** Stable under prescribed storage conditions

### 10.3 Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, no hazardous reactions will occur

### 10.4 Conditions to avoid

**Conditions to avoid** Extremes of temperature

### 10.5 Incompatible materials

**Incompatible materials** Do not mix with strong acids. Keep away from oxidising agents.

### 10.6 Hazardous decomposition products



**Hazardous decomposition products** Combustion may cause toxic fumes.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Toxicological effects** May cause irritation to skin, eyes and on ingestion

**Serious eye damage/irritation** Causes serious eye damage.

**Aspiration hazard** Contains: Polyhexamethylene Biguanide Hydrochloride. May produce an allergic reaction in persons already sensitised.

**Inhalation** No information available.

**Ingestion** May cause irritation in mouth, oesophagus and stomach.

**Skin contact** Causes skin irritation.

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> 2000 mg/kg, Oral, Rat (Alcohol ethoxylate)

## SECTION 12: Ecological information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.1 Toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 0.13 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 0.2 mg/l, Daphnia magna

### 12.2 Persistence and degradability

**Persistence and degradability** The product is readily biodegradable in diluted form.

### 12.3 Bioaccumulative potential

**Bioaccumulative potential** This substance has no potential for bioaccumulation.

**Partition coefficient** No information available.

### 12.4 Mobility in soil

**Mobility** Predicted to have high mobility in soil as the product is soluble in water.

### 12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

### 12.6 Other adverse effects



## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Disposal methods** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Small quantities may be flushed away with water. Do not release undiluted or unneutralised to the sewer.

## SECTION 14: Transport information

### 14.1 UN number

**UN no.** Not classified

### 14.2 UN proper shipping name

**Proper shipping name (ADR/RID)** Not classified

### 14.3 Transport hazard class(es)

**Transport hazard class** Not classified

### 14.4 Packing group

**Packing group** Not classified

### 14.5 Environmental hazards

**Environmentally hazardous substance/marine pollutant** Not classified

### 14.6 Special precautions for user

**Special precautions** N/A

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 And the IBC Code** N/A

## SECTION 15: Regulatory information

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

**EU legislation** Regulation (EC) No 1272/2015 of the European Parliament and 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





<b>SECTION 16: Other information</b>
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**General information**                      Only trained personnel should use this material

**Hazard statements in full**            H318 Causes serious eye damage  
    H315 Causes skin irritation

Classification of the substance or mixture According to Regulation (EC) No. 1272/2015 (CLP).	Classification Procedure
Eye Dam. 1; H318	Threshold Calculation
Skin Irrit. 2; H315	Threshold Calculation

*This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.*