

SAFETY DATA SHEET

Instrument Disinfectant Cleaner Concentrate

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

1.1 Product Identifier

Product Name	Safe4 Instrument Disinfectant Cleaner Concentrate
Product Number	Various
Container Size	2L, 5L

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

Identified Uses	Water based instrument disinfectant and cleaner. Medical device.
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1.3 Details of the supplier of the safety data sheet

Supplier	Safe Solutions (Safe4) Ltd Bostock Road Winsford Cheshire CW7 3BD +44 1606 591900 info@safe4disinfectant.com
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1.4 Emergency telephone number

Emergency telephone	+44 1606 591900 (Office hours only)
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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification

Physical hazards	Skin Irrit. 2 – H315
Health hazards	Eye Dam. 1 – H318
Environmental hazards	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.

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2015 (CLP) & 453/2010 (REACH)

Precautionary statements	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P321 Specific treatment (see medical advice on this label)</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention</p> <p>P362 Take off contaminated clothing and wash before reuse</p> <p>P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.</p>
Supplementary precautionary Statements	<p>P260 Do not breathe vapour/spray</p> <p>P405 Store locked up</p> <p>P501 Dispose of contents/container in accordance with national regulations</p>

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%

Classification

Not Classified

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2015 (CLP) & 453/2010 (REACH)

Dipropylene glycol monomethylether CAS number: 34590-94-8 EC number: 252-104-2	1-5%
Classification Not Classified	
Ethylene Diamine Tetra Acetate CAS number: 64-02-8 EC number: 200-573-9	1-5%
Classification Acute Tox. 4 – H302 Eye Dam. 1 – H318	
Phosphoric Acid CAS number: 7664-38-2 EC number: 231-633-2	<1%
Classification Skin Corr. 1B – H314	
Water CAS number: 7732-18-5 EC number: 231-791-2	>75%
Classification Not Classified	

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

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2015 (CLP) & 453/2010 (REACH)

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

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.

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2015 (CLP) & 453/2010 (REACH)

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

Appearance	Liquid.
Colour	Green/Blue/Purple/Clear
Odour	Apple/Mint/Lavender/Odourless
Odour threshold	No information available.
pH	pH (concentrated solution): 6-7.5
Melting point	0 °C
Initial boiling point and range	> 100°C @ 760 mm Hg
Flash point	> 100°C
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	Not flammable.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	1.010 @ 20°C
Bulk density	No information available.
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2015 (CLP) & 453/2010 (REACH)

Auto-ignition temperature	> 210°C
Decomposition Temperature	No information available.
Viscosity	75 mPa s @ 20°C
Explosive properties	Not explosive.
Explosive under the influence of a flame	No information available.
Oxidising properties	Not oxidising.

9.2. Other information

Refractive index	No information available.
Particle size	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	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.

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2015 (CLP) & 453/2010 (REACH)

Ingestion May cause irritation in mouth, oesophagus and stomach.
Skin contact Causes skin irritation.
Notes (oral LD₅₀) LD₅₀ 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 LC₅₀, 96 hours: 0.13 mg/l, Fish
Acute toxicity - aquatic invertebrates EC₅₀, 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

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2015 (CLP) & 453/2010 (REACH)

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 Not classified
substance/marine pollutant

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 N/A
Annex II of MARPOL 73/78
And the IBC Code

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

SECTION 16: Other information

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.