
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: SAFE4 DISINFECTANT CONCENTRATE
- UFI:
- Product Part Number: S4-DIS

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

- Use of the substance/mixture: Disinfectant

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Safe Solutions (Safe4) Ltd.
- Address of Supplier: Safe Solutions (Safe4) Ltd
Bostock Road
Winsford
Cheshire
CW7 3BD
- Telephone: +44 (0) 1606 591 900
- Email: Info@safe4disinfectant.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1606 591 900
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Eye Dam. 1, Aquatic Chronic 3, STOT SE 3

2.2 Label elements



GHS05

- Signal Word: Danger

Hazard statements

- H335 - May cause respiratory irritation.
- H318 - Causes serious eye damage.
- H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P310 - Immediately call a POISON CENTER or doctor/physician.
 - P273 - Avoid release to the environment.
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SECTION 2: Hazards identification (....)

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P405 - Store locked up.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

- Contains: Didecyldimethylammonium chloride

SECTION 3: Composition/information on ingredients**3.2 Mixtures****didecyldimethylammonium chloride**

CAS Number: 7173-51-5
EC Number: 230-525-2
Concentration: < 5%
Specific Concentration Limits: Not applicable
M factor: Not applicable
Acute toxicity estimate: Not available
Categories: Acute Tox. 4, Skin Corr. 1B
Symbols: GHS05;GHS07
H Statements: H302;H314

propan-2-ol; isopropyl alcohol; isopropanol

CAS Number: 67-63-0
EC Number: 200-661-7
Concentration: < 1%
Specific Concentration Limits: Not applicable
M factor: Not applicable
Acute toxicity estimate: Not available
Categories: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3
Symbols: GHS02;GHS07
H Statements: H225;H336;H319

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL, CHLORIDES

CAS Number: 68424-85-1
EC Number: 270-325-2
Concentration: < 1%
Specific Concentration Limits: Not applicable
M factor: 1
Acute toxicity estimate: Not available
Categories: Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1
H Statements: H290, H302, H314, H318, H400, H410

SECTION 3: Composition/information on ingredients (....)

M factor, acute: 1

glutaral; glutaraldehyde; 1,5-pentanedial

CAS Number: 111-30-8

EC Number: 203-856-5

Concentration: < 1%

Specific Concentration Limits: Not applicable

M factor: 1

Acute toxicity estimate: Not available

Categories: Acute Tox. 2, Acute Tox. 3, Skin Corr. 1B, Resp. Sens. 1, Skin Sens. 1A, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 2

Symbols: GHS06;GHS05;GHS08;GHS09

H Statements: H330;H301;H335;H314;H334;H317;H400;H411;EUH071

M factor, acute: 1

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Call a POISON CENTRE or doctor if you feel unwell.
- Wash contaminated clothing before reuse.

4.2 Most important symptoms and effects, both acute and delayed**4.3 Indication of any immediate medical attention and special treatment needed**

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- No hazard expected under normal conditions of use

5.3 Advice for firefighters

- No special precautions are required for this product
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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Wear eye/face protection
- Wear protective clothing as per section 8

6.2 Environmental precautions**6.3 Methods and material for containment and cleaning up**

- No special precautions are required for this product

6.4 Reference to other sections

- See Section 8, 13
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Do not handle until all safety precautions have been read and understood.
- Avoid contact with skin and eyes
- Do not eat, drink or smoke when using this product.
- Dispose of contents/container to an authorised waste collection point
- Call a POISON CENTRE or doctor if you feel unwell.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool.
- Store at ambient temperature
- Avoid contact with acid
- Keep away from oxidising substances
- Store locked up.

7.3 Specific end use(s)

- See Section 1.2
-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- No information available

propan-2-ol; isopropyl alcohol; isopropanol

DNEL (Industry; dermal, long term systemic effects): 888 mg/kg/day

DNEL (Industry; inhalational, long term systemic effects): 500 mg/m³

DNEL (Consumer; dermal, long term systemic effects): 319 mg/kg/day

DNEL (Consumer; inhalational, long term systemic effects): 89 mg/m³

DNEL (Consumer; oral, long term systemic effects): 26 mg/kg/day

8.2 Exposure controls



Goggles



Gloves

- See Section 2
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
 - Colour: Clear, Blue, Green, Lavender
 - Odour: Apple, Lavender, Mint, Odourless
 - Melting point/Range: Not applicable
 - Boiling Point/Range: >100°
 - Flammability: Not flammable
 - pH: 6 - 8
 - Solubility in water: Completely soluble in water
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SECTION 9: Physical and chemical properties (....)

- Density: Not available
- Flashpoint: >93°C

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Extremes of temperature

10.5 Incompatible materials

- Incompatible with acid
- Avoid contact with oxidising substances

10.6 Hazardous decomposition products

- May give off noxious and toxic fumes in a fire
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SECTION 11: Toxicological information

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

Acute toxicity

- Estimated LD₅₀ (oral) (ATE) : 5154.639 mg/kg
- Estimated LD₅₀ (dermal) (ATE) : >4000 mg/kg
- Estimated LD₅₀ (inhalational) (ATE) : 52.63158 mg/l/4hr (gas/vapour)

didecyldimethylammonium chloride

- LD₅₀ (oral, rat): 238 mg/kg
- LD₅₀ (dermal, rabbit): 3342 mg/kg

propan-2-ol; isopropyl alcohol; isopropanol

- LD₅₀ (oral, rat): 4570 mg/kg
- LD₅₀ (dermal, rabbit): 13400 mg/kg
- LC₅₀ (inhalation, rat): 30 vapours mg/l

Skin corrosion/irritation

May cause irritation

Serious eye damage/irritation

Can cause damage to the eyes

Respiratory or skin sensitisation

SECTION 11: Toxicological information (....)

Not applicable

Germ cell mutagenicity

No information available

Carcinogenicity

No evidence of carcinogenic effects

Reproductive toxicity

Not applicable

STOT (specific target organ toxicity) - single exposure

No information available

STOT (specific target organ toxicity) - repeated exposure

No information available

Aspiration hazard**11.2 Information on other hazards**

SECTION 12: Ecological information**12.1 Toxicity**

- No information available

propan-2-ol; isopropyl alcohol; isopropanol

PNEC (Fresh water):	140.9 mg/l
PNEC (intermittent):	140.9 mg/l
PNEC (Marine water):	140.9 mg/l
PNEC (Sediment; fresh water):	552 mg/kg
PNEC (Sediment; marine water):	552 mg/kg
PNEC (Soil):	28 mg/kg
PNEC (STP):	2251 mg/l

12.2 Persistence and degradability**12.3 Bioaccumulative potential**

- Bioaccumulation is insignificant

12.4 Mobility in soil

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- Not applicable

12.7 Other adverse effects

- Not applicable

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
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SECTION 14: Transport information

14.1 UN number or ID number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

- Refer to current CLP Regulations

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out
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SECTION 16: Other information

The information provided here applies only to the specified material and may not be relevant when used with other substances or in different applications. While the company believes this information to be accurate and reliable as of the date indicated, no assurances are given regarding its completeness, reliability, or accuracy. The user is solely responsible for evaluating its suitability for their intended use.

All information correct at time of printing.

--- end of safety datasheet ---
