

## SAFETY DATA SHEET

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- Product Name: S4 Disinfectant Concentrate (All fragrances)
- 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: Surface 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

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

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

**2.2 Label elements**

GHS05



GHS07

- 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**

- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- 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.

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**SECTION 2: Hazards identification (....)**

P310 - Immediately call a POISON CENTER or doctor/physician.  
P273 - Avoid release to the environment.  
P312 - Call a POISON CENTRE or doctor if you feel unwell.  
P271 - Use only outdoors or in a well-ventilated area.  
P405 - Store locked up.

**2.3 Other hazards**

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

CAS Number: 7173-51-5  
EC Number: 230-525-2  
Concentration: < 3.6%  
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

**Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides**

CAS Number: 68424-95-3  
EC Number: 270-331-5  
Concentration: < 1.4%  
Specific Concentration Limits: Not applicable  
M factor: 10;1  
Acute toxicity estimate: Not available  
Categories: Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1  
Symbols: GHS05;GHS06;GHS09  
H Statements: H301;H311;H314;H318;H410;H400  
REACH Registration Number: 01-2120769330-57-XXXX  
M factor, acute: 10  
M factor, chronic: 1

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

CAS Number: 68424-85-1  
EC Number: 270-325-2  
Concentration: < 0.95%  
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

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

H Statements: H290, H302, H314, H318, H400, H410  
M factor, acute: 1

**glutaral; glutaraldehyde; 1,5-pentanedial**

CAS Number: 111-30-8  
EC Number: 203-856-5  
Concentration: < 0.95%  
Specific Concentration Limits: STOT SE 3; H335: ,5 % ≤ C < 5 %  
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

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

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Seek immediate medical attention
- Continue flushing with water until medical help arrives

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

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**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
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## SECTION 6: Accidental release measures (....)

### 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.
- Eyewash bottles should be available
- Do not wear contact lenses when working with this material
- Dispose of contents/container to an authorised waste collection point

### 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
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- No information available

### 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: Blue, Clear, Green, Lavender
  - Odour: Freshmint, Odourless, Apple, Lavender
  - Melting point/Range: Not applicable
  - Boiling Point/Range: >100 °C
  - Flammability: Not flammable
  - pH: 6 - 7.5
  - Solubility in water: Completely soluble in water
  - Density: Not available
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## SECTION 9: Physical and chemical properties (....)

- Flashpoint: >93°C

### 9.2 Other information

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## 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

Not applicable

Estimated LD<sub>50</sub> (oral) (ATE) : 2701.972 mg/kg

Estimated LD<sub>50</sub> (dermal) (ATE) : 20833.33 mg/kg

Estimated LC<sub>50</sub> (inhalational) (ATE) : 52.63158 mg/l/4hr (gas/vapour)

#### didecyldimethylammonium chloride

LD<sub>50</sub> (oral, rat): 238 mg/kg

LD<sub>50</sub> (dermal, rabbit): 3342 mg/kg

#### Skin corrosion/irritation

May cause irritation

#### Serious eye damage/irritation

Can cause damage to the eyes

#### Respiratory or skin sensitisation

Not applicable

#### Germ cell mutagenicity

No information available

#### Carcinogenicity

## **SECTION 11: Toxicological information (....)**

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**

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

- No information available

### **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
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## **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.: N/a

### **14.2 UN proper shipping name**

- Proper Shipping Name: N/a

### **14.3 Transport hazard class(es)**

- Hazard Class:
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## **SECTION 14: Transport information (....)**

### **14.4 Packing group**

- Packing Group:

### **14.5 Environmental hazards**

### **14.6 Special precautions for user**

### **14.7 Maritime transport in bulk according to IMO instruments**

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## **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.

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