

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

## SAFETY DATA SHEET

### Safe4 Alcohol Hand Sanitiser

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

##### 1.1 Product Identifier

Product Name Safe4 Alcohol Hand Sanitiser

Container Size 50ml/600ml/1L

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

Identified Uses PC39: Cosmetics, personal care products

##### 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](mailto:info@safe4disinfectant.com)

##### 1.4 Emergency telephone number

Emergency telephone +44 1606 591900 (Office hours only)

#### SECTION 2: Hazards Identification

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

###### Classification

Physical hazards Flam. Liq. 2 - H225

Health hazards Eye Irrit. 2 – H319

Environmental hazards Not classified

##### 2.2 Label elements

###### Pictogram



Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation

Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.

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P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.  
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.  
P370 + P378 In case of fire: Use a CO<sub>2</sub>, halon, or dry chemical extinguisher that is marked B, C, BC, or ABC or an alcohol-resistant (ARF) foam for extinction.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with national regulations

**Supplementary precautionary Statements** P102 Keep out of reach of children.  
P405 Store locked up

### 2.3 Other hazards

## SECTION 3: Composition/information on ingredients

### 3.1 Mixtures

#### Ethanol

CAS number: 64-17-5      EC number: 200-578-6      **≥65%**

#### Classification

Flam. Liq. 2 - H225  
Eye Irrit. 2 - H319

#### Polydimethylsiloxane polymer

CAS number: 68937-54-2      EC number: 614-822-8      **<5%**

#### Classification

Not classified

#### Glycerol

CAS number: 200-289-5      EC number: 56-81-5      **<0.1%**

#### Classification

Not Classified

#### Hydrogen peroxide

CAS number: 7722-84-1      EC number: 231-765-0      **<0.1%**

#### Classification

Ox. Liq. 1 - H271  
Acute Tox. 4 - H302  
Skin Corr. 1A - H314  
Acute Tox. 4 - H332

#### Didcyldimethylammonium chloride

CAS number: 7173-51-5      EC number: 230-525-2      **<0.1%**

#### Classification

Acute Tox. 4 \*- H302  
Skin Corr. 1B - H314

The full text for all Hazard Statements are displayed in Section 16

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#### SECTION 4: First Aid Measures

##### 4.1 Description of first aid measures

**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.

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

##### 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** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Highly flammable liquid and vapour. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Take care as floors and other surfaces may become slippery.

**Hazardous combustion products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Formaldehyde

##### 5.3 Advice for firefighters

**Protective actions during firefighting** Avoid the spillage or runoff entering drains, sewers or watercourses. Contain and collect extinguishing water. Use water to keep fire exposed containers cool and disperse vapours.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

#### SECTION 6: Accidental release measures

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

**Personal precautions** Keep unnecessary and unprotected personnel away from the spillage. No action shall be taken without appropriate training or involving any personal risk. Take precautionary measures against static discharges. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Use only non-sparking tools. Use explosion-proof electrical equipment. Take care as floors and other surfaces may become slippery.

##### 6.2 Environmental Precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning** Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Use explosion-proof electrical equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal

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securely. For waste disposal, see Section 13.

#### **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. 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.

### **SECTION 8. Exposure controls/personal protection**

#### **8.1 Control parameters**

##### **Occupational exposure limits**

##### **ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

#### **8.2 Exposure controls**

##### **Protective equipment**

**Appropriate engineering Controls** Not applicable

**Eyes/face protection** Wear goggles

**Hand protections** Protective gloves

**Other skin and body** Wear appropriate clothing to prevent any possibility of skin contact. Wear appropriate footwear. Provide eyewash station and safety shower.

**Respiratory protection**

### **SECTION 9: Physical and Chemical Properties**

#### **9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear
<b>Odour</b>	Pungent
<b>pH</b>	5-7
<b>Evaporation rate</b>	Negligible
<b>Relative density</b>	1.005-1.015
<b>Solubility(ies)</b>	Soluble in water

### **SECTION 10: Stability and reactivity**

#### **10.1 Reactivity**

**Reactivity** The following materials may react with the product: Oxidising materials. Acids. Alkali metals Acid anhydrides. Aluminium.

#### **10.2 Chemical stability**

**Stability** Stable under prescribed storage conditions

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### 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** Avoid heat, flames and other sources of ignition. Take precautionary measures against static discharges.

### 10.5 Incompatible materials

**Incompatible materials** Oxidising agents. Acids. Alkali metals. Acid anhydrides. Aluminium.

### 10.6 Hazardous decomposition products

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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

## SECTION 12: Ecological information

### 12.1 Toxicity

**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.

## SECTION 14: Transport information

### 14.1 UN number

**UN no.** 1170

### 14.2 UN proper shipping name

**Proper shipping name (ADR/RID)** ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

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ACCORDING TO EC-REGULATIONS 528/2012 (BPR),  
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ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

**14.4 Packing group**

Packing group	II
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**14.5 Environmental hazards**

Environmentally hazardous substance/marine pollutant	Not classified
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**14.6 Special precautions for user**

EmS	F-E, S-D
ADR transport category	2
Emergency Action Code	•2YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

**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 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended)
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**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

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**Hazard statements in full** H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation

*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.*