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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Alcohol Hand Sanitiser

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

Alcohol hand steriliser

1.3 Details of the supplier of the safety data sheet

SUPPLIER:

CHEMICAL SOLUTIONS UK
42 Kennel Lane
Fetcham
SURREY
08452500943
sales@chemical-solutions.co.uk

1.4 Emergency telephone number

01372 456108

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP Regs.: Flam. Liq.2 H225; Eye irrit.2 H319

2.2 Label elements

Label elements under CLP:

Hazard pictograms: GHS02, GHS07



Signal Word: Danger

Hazard Statements: H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation.

Precautionary statements: PREVENTION: Keep away from heat/sparks/open flames/ hot surfaces.

RESPONSE: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If eye irritation persists get medical advice/attention. Take off contaminated clothing and wash before reuse.

2.3 Other hazards

PBT: this material does not contain any substance identified as a PBT or vPvB substance

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3. Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Hazardous ingredients:

CAS	EINECS	Classification CLP	Concentration %w/w
Ethanol (REACH Reg. No. 01-2119457610-43)			
64-17-5	200-578-6	Flam. Liq.2 H225; Eye irrit.2 H319	60-100

See section 16 for full text of H statements

4. First aid measures

4.1 Description of first aid measures

Eye contact: Flush with clean water for at least 15 minutes. Seek medical advice.

Skin contact: Intended for skin contact. Remove contaminated clothing.

Ingestion: Give plenty of water to drink and seek immediate medical attention.

Inhalation: Remove from exposure. Get medical attention if any symptoms persist.

4.2 Most important symptoms and effects both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Alcohol resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable agents:

Water jet.

5.2 Special hazards arising from the substance or mixture

Oxides of carbon and other irritant/toxic fumes may be produced.

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Keep containers cool with water spray.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Take precautionary measures against static discharges.

6.2 Environmental precautions

Significant spillage or uncontrolled discharge into watercourses must be notified immediately to the appropriate regulatory authority.

6.3 Methods and material for containment and cleaning up

Small spillages may be rinsed away with plenty of water. Larger spillages should be contained and absorbed in inert material.

Transfer to closed container for disposal. Flush area with water.

6.4 Reference to other sections

See section 8 for protective clothing

See section 7 for safe handling

See section 13 for disposal.

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7. Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid contact with eyes and skin.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container, tightly closed. Keep away from heat and sources of ignition.

7.3 Specific end use

See section 1.2.

8. Exposure controls/personal protection

8.1 Control parameters

Substances assigned Workplace Exposure Limits

Name	type	Long term (8hrTWA)		Short term (15mins)
Ethanol	WEL	1000ppm	1920mg/m ³	

8.2 Exposure controls

Wear eye protection to prevent liquid splashes if necessary. Avoid inhalation of spray mist.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Clear blue viscous liquid

Odour: Slight alcoholic

Density at 20°C: 0.87kg/ltr

Solubility: Completely soluble in water.

pH(1% solution): N/A

Flash point: 21°C

Boiling point/range: Initial boiling point <100°C

Oxidising: No

9.2 Other information

10. Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

Heat, flames and sources of ignition.

10.5 Incompatible materials

Strong acids and alkalis, oxidising substances.

10.6 Hazardous decomposition products

Oxides of carbon and other fumes may be produced on thermal decomposition/combustion.

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11.Toxicological information

11.1 Information on toxicological effects.

Eyes: Irritation, redness and watering.

Skin: Prolonged or repeated contact, for example, if clothing were contaminated, may cause irritation and dryness.

Ingestion: Upset stomach, nausea, headache, dizziness and intoxication.

Inhalation: Vapours may cause drowsiness and dizziness.

Acute toxicity of ingredients: Ethanol LD50 7060mg/kg (oral, rat)

12.Ecological information

12.1 Toxicity.

Not classed as hazardous for the environment but release should be avoided.

12.2 Persistence and degradability

Easily biodegradable.

12.3 Bioaccumulative potential

Low bioaccumulative potential.

12.4 Mobility in soil

Water soluble product.

12.5 Results of PBT and vPvB assessment

Does not contain any ingredients identified as PBT or vPvB substances.

12.6 Other adverse effects

13.Disposal considerations

13.1 Waste treatment methods

Comply with local regulations. Do not allow concentrate to enter water systems.

14.Transport information

14.1 UN Number

1170

14.2 UN Proper shipping name

ETHANOL SOLUTION

14.3 Transport hazard class(es)

Class 3 (ADR, IMO, IATA)

14.4 Packing group

Group II

14.5 Environmental hazards

14.6 Special precautions for user



15.Regulatory information

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

None

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

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16. Other information

This safety data sheet has been prepared according to EU Commission Regulation 453/2010

The information supplied in this document is based on our present state of knowledge and is given in good faith. It is not intended and should not be construed as a specification or guarantee of specific properties. The responsibility remains with the user to comply with all relevant laws, regulations and directives, to make their own assessment of workplace risks and to determine the suitability of the product for a particular use or application.

The hazards information in this data sheet refers to the material as supplied and not to any subsequent dilution or mixture.

The full text of the H statements referred to in section 3 are shown below. These classifications apply to the ingredients, in their concentrated form, which contribute to the classification of the product or mixture.

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Goods by Road
CAS	Chemical Abstracts Service
CHIP	Chemicals (Hazard Information and Packaging) Regulations – Directives 1999/45/EC and 67/548/EC
CLP	Classification and Labelling of Chemicals – Regulation (EC) No. 1272/2008
CMR	Carcinogenic-mutagenic-toxic for reproduction
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration, 50%
LD50	Lethal Dose, 50%
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative
RID	Convention concerning International Carriage by Rail
WEL	Workplace Exposure Limit
VOC	Volatile Organic Compound