

Section 1. Identification of the Substance / Mixture and of the Company / Undertaking

1.1 Product Identifier

Product name: Blue Lion 70% Alcohol Hand Sanitizer

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

Use: The product is a hand sanitising liquid.

1.3 Details of the supplier of the safety data sheet

Name of supplier: Kays Medical

Address: 1 Windward Drive, Estuary Commerce Park, Speke, Liverpool L26 8QR

Tel: +44 (0) 151 482 2830

Fax: +44 (0) 151 207 3384

Email: info@responsebeta.com

1.4 Emergency telephone number:

Tel: +44 (0) 151 482 2830 (UK Office hours only, English)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Flammable liquids (Category 2): H225

Eye irritation (Category 2): H319

For the full text of the H-Statements mentioned in this section, see section 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word:

Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

Precautionary Statement(s)

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed

Response:

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

Section 3. Composition / Information on Ingredients

Component	CAS	EC	Concentration (%w)
Alcohol	64-17-5	200-578-6	70
Water	7732-18-5	231-791-2	24.3
Acrylates/C10-30 alkyl acrylate cross polymer	0.5
Triethanolamine	102-71-6	203-049-8	0.1
Propylene glycol	57-55-6	200-338-0	5

Section 4. First Aid Measures

4.1 Description of First Aid Measures

- General Advice** In the case of an accident or if you feel unwell, seek medical advice immediately.
- Eye Contact** Wash with soap and water as a precaution. Seek medical attention if symptoms occur.
- Skin Contact** In case of contact with eyes, immediately rinse with plenty of water for at least 15 minutes and seek medical attention. If wearing contact lenses, remove them if it is easy to do.
- Ingestion** If swallowed, DO NOT induce vomiting unless directed by medical personnel. Rinse mouth thoroughly with water. Seek medical attention.
- Inhalation** If inhaled, move to fresh air. Seek medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

Risks

- ✓ Causes serious eye irritation
- ✓ Prolonged contact may cause dryness of skin

4.3. Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically and supportively.

Section 5. Fire-fighting Measures

Flammability: Highly flammable liquid and vapour.

5.1. Extinguishing media

Suitable Extinguishing Media: Dry chemical powder, CO₂, water spray, alcohol-resistant foam.

Unsuitable Extinguishing Media: High-volume water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards during fire-fighting:

- ✓ Do not use a solid water stream as it may scatter and spread fire.
- ✓ Flashback is possible over a considerable distance.
- ✓ Vapours may form an explosive mixture with air.
- ✓ Exposure to combustion products may be a hazard to health.

5.3. Advice for Firefighters

Wear a self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

- ✓ Remove all sources of ignition.
- ✓ Use personal protective equipment.
- ✓ Follow safe handling advice.

6.2. Environmental precautions

Do not discharge into drains or rivers. Contain spillage using appropriate bunds.

6.3. Methods and material for containment and cleaning up

- ✓ Do not use equipment that may produce sparks.
- ✓ Soak up with inert absorbent material.
- ✓ Suppress gases/vapours/mists with a water jet spray.

6.4. Reference to other sections

See sections 7, 8, 11, 12 and 13.

Section 7. Handling and Storage:

7.1. Precautions for safe handling

Handling requirements: Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation in the area. Do not handle in a confined space.

Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

- ✓ Storage conditions:
Store in a cool, well-ventilated area. Keep the container tightly enclosed. Keep away from sources of ignition. Prevent the build-up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not sources of ignition.
- ✓ Suitable packaging:
Must only be kept in original packaging

7.3. Specific end use(s)

No data are available.

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters

Occupational Exposure Limits

CAS No.	ACGIH	NIOSH	OHSHA	COSHH
64-17-5	TLV-STEL 1000 ppm	REL-TWA 1000 ppm	PEL-TWA 1000 ppm REL-TWA 1900 mg/m ³	1000 ppm (8-hour TWA) 1920 mg/m ³ (8-hour TWA)

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation in the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Respiratory protection is not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Select appropriate protective clothing as part of an assessment of the local exposure potential.

Section 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

State:	Liquid
Colour:	Colourless
Odour:	Alcohol-like
Evaporation rate:	No data available
Solubility in water:	Highly soluble
Boiling point:	>35 °C
Vapor pressure:	No data available
pH:	No data available data available
Flashpoint:	17°C (closed cup)
Auto-flammability:	No data available
Relative density:	No data available
Part. coeff. n-octanol/water:	No data available

9.2 Other information

No data available

Section 10. Stability and Reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

Highly flammable liquid and vapour. Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Heat. Hot surfaces. Sources of ignition. Flames.

10.5 Incompatible materials

Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

No data available.

Section 11. Toxicological Information

11.1 Information on toxicological effects

CAS No	LD50
64-17-15	LD50 Rat (oral): 9.9g/kg
102-71-6	LD50 Rat (oral): 8.0 g/kg. LD50 Rabbit (dermal) >20000 mg/kg
57-55-6	LD50 Rat (oral): 21000-33700 g/kg. LD50 Rabbit (dermal) >20800 mg/kg

Toxicity values: No data available

Symptoms/Routes of exposure:

- ✓ **Skin contact:** Prolonged contact may cause dryness of skin.
- ✓ **Eye contact:** There may be irritation and redness.
- ✓ **Ingestion:** There may be irritation of the throat.
- ✓ **Inhalation:** There may be a feeling of tightness in the chest with shortness of breath.

Section 12. Ecological Information

12.1 Toxicity

No data are available.

12.2 Persistence and Degradability

Biodegradable.

12.3 Bio-accumulative potential

Low.

12.4 Mobility in soil

Expected to have high mobility in soil.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

No data are available.

Section 13. Disposal Considerations

13.1 Waste Treatment Methods

Disposal operations: Dispose of in accordance with local regulations.

Disposal of packaging: Dispose of empty containers at an approved waste handling site. Do not burn.

Section 14 Transport Information

14.1 UN Number

UN 1170

14.2 UN proper shipping name

Ethanol (ethyl alcohol) solution

14.3 Transport hazard class(es)

Transport class 3

14.4 Packing group

Packing group II

14.5 Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6 Special precautions for the user

No special precautions.

Section 15. Regulatory Information

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

Specific regulations: Not applicable.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.



MATERIAL SAFETY DATA SHEET
(MSDS)

Response Beta Hand Sanitiser

Reference Number:	SDS 016
Version:	2
Approved By:	Kays Medical Ltd
Issue Date:	14 March 2025

Section 16. Other Information

Full text of H-Statements referred to under sections 2 and 3:

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation

K102: Keep out of reach of children.

Disclaimer:

The information contained in this data sheet is, to the best of our knowledge and belief, accurate and is based upon our technical knowledge of the product at the date of issue. However, no warranty or representation, expressed or implied, is made as to the accuracy, reliability or completeness of the foregoing data and safety information.

This data sheet and the health, safety and environmental information it contains are considered to be accurate as of the date specified above. We have reviewed any information contained herein which we received from sources outside Kays Medical. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the data and information contained in this datasheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this material safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorisation given or implied to practice any patented invention without a valid licence. Kays Medical shall not be responsible for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations or from any hazards inherent in the nature of the product.