

SAFETY DATA SHEET

Alcohol Hand Rub

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

1.1. Product identifier

Product name	Alcohol Hand Rub
Product code	H8750, H8754, H8761, H8763, H8764

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

Identified uses	Hand disinfection
Use descriptors	PT1: Human Hygiene Biocidal Product
Uses advised against	None known

1.3. Details of the supplier of the safety data sheet

Company and address	Guest Medical Limited Unit A6, Larkfield Trading Estate, New Hythe Lane, Aylesford. Kent. ME20 6SW T: +44(0) 1622 791895, (Hours 09:00- 17:00 Mon to Fri)
E-mail	technical@quest-medical.co.uk
SDS Version	1.0
Revision date	11/01/2023

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24h service).
See Section 4 "First Aid Measures"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq 3; H226, Flammable liquid and vapour.

2.2. Label elements

Hazard Pictogram(s)



Signal word

Warning

Hazard statement(s)

H226, Flammable liquid and vapour.

Safety statement(s)

Prevention

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

P280, Wear protective gloves/protective clothing/eye protection/face protection.

Response

P303 + P361 + P353, IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P370 +378, In case of fire; use alcohol resistant foam, Carbon dioxide (CO₂), use extinguishing media appropriate to the surrounding fire conditions.

Storage

P403 + P235, Store in a well-ventilated place. Keep cool.

Disposal

P501, Dispose of contents/container in accordance with local, state or national regulation.

Hazardous substances

Ethanol.

Additional labelling

Not applicable.

2.3 Other hazards

In use, may form flammable/explosive vapour-air mixture.

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product / substance	Identifiers	% w / v	Classification	Notes
Ethanol	CAS No: 64-17-5 EC No: 200-578-6	≥70 – 80 %	Flam. Liq. 2, H225	Hazard Pictograms: GHS02

See full text H-phrases in Section 16. Occupational exposure limits are listed in Section 8, if available.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Not considered hazardous by inhalation. Seek medical attention if symptoms or irritation cause concern.

Ingestion

Rinse mouth with water. Seek medical attention if symptoms or irritation cause concern and you feel unwell.

Skin contact

Considered to be a non-irritant but if symptoms occur, seek medical advice.

Eye contact

Bathe the eye with running water for 15 minutes. Seek medical attention if irritation or symptoms persist.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms are unlikely through skin contact, inhalation or ingestion. If concerned seek medical advice. There may be irritation and redness on eye contact. If symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use alcohol resistant foam, water spray, Carbon dioxide (CO₂), dry chemical powder.

Unsuitable extinguishing media

Water jet spray should not be used.

5.2. Special hazards arising from the substance or mixture

Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

5.3. Advice for firefighters

Wear 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

Wear protective clothing as described in Section 8 of this safety data sheet. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Do not allow product to enter drains. Contain the spillage using bunding (absorbent material).

6.3. Methods and material for containment and cleaning up

Absorb spillages into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

See Section 8 "Exposure controls / personal protection" for protective measures

See Section 13 "Disposal considerations" on handling of waste.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No smoking. Use only non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Recommended storage material

Store in a cool, well-ventilated area. Store locked up. Keep container tightly closed. Keep away from sources of ignition.

Storage temperature

Ambient temperature and humidity.

Incompatible materials

Strong oxidising agents. Strong acids. Strong bases.

7.3. Specific end use(s)

This product should only be used for applications quoted in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits.

Ethanol

Occupational Exposure Limits		
State	LTEL (8hr TWA ppm)	LTEL (8hr TWA mg/m ³)
United Kingdom	1000	1920

8.2. Exposure controls

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

Respiratory protection

Not necessary during normal handling and use.

Skin protection

Not necessary during normal handling and use.

Eye / face protection

Not necessary during normal handling and use.

Environmental exposure controls

Prevent from entering into public sewers or the immediate environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid/Gel
Colour	Clear. Colourless
Odour	Alcoholic
Melting point / freezing point (°C)	No data available
Boiling point (°C)	No data available
Flammability (°C)	No data available
Lower and Upper explosion limit (% v/v)	No data available
Flash point (°C)	≥23
Auto-ignition temperature (°C)	No data available
Decomposition temperature (°C)	No data available
pH	7.5 - 8
Kinematic viscosity	No data available
Solubility	Soluble in water
Partition coefficient	No data available
Vapour pressure	No data available
Density and / or relative density	No data available
Relative vapour density	No data available
Particle characteristics	No data available

9.2. Other information

No additional information available.

SECTION 10: Stability and Reactivity

10.1. Reactivity

Stable under normal conditions of handling and storage.

10.2. Chemical Stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

No hazardous reactions expected under normal conditions of handling and storage.

10.4. Conditions to avoid

Heat. Hot surfaces. Sources of ignition. Flames. Do not allow to freeze.

10.5. Incompatible materials

Strong oxidising agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

In combustion, emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Based on available data the classification criteria are not met.

Skin corrosion / irritation

Based on available data, the classification criteria are not met.

Serious eye damage

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT – single exposure

Based on available data the classification criteria are not met.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

None known.

Other information

None known

SECTION 12: Ecological information

12.1. Toxicity

No data available. Ethanol is not classified as toxic to the environment.

12.2. Persistence and degradability

Biodegradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any non-classified PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations



13.1. Waste treatment methods


Dispose of contents/container in accordance with local, state or national legislation.

Additional Information

Handle empty containers with care because residual vapours are flammable.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 Packing group	14.5 Environmental hazards	Other information
ADR	UN1993	FLAMMABLE LIQUID, N.O.S	Class: 3 Labels: 3 	III	Not classified as a marine pollutant	Limited quantities: 1L Excepted quantities: E2 Tunnel restriction code: D/E
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S	Class: 3 Labels: 3 	III	Not classified as a marine pollutant	Limited quantities: 1L Excepted quantities: E2 EmS: F-E, S-D

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 Packing group	14.5 Environmental hazards	Other information
IATA	UN1993	FLAMMABLE LIQUID, N.O.S	Class: 3 Labels: 3 + 6.1 	III	Not classified as a marine pollutant	Limited quantities: 1L Excepted quantities: E2

14.6 Special precautions for user

Not known.

14.7 Transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Restrictions for application

None known.

Restriction on use

Not listed.

National regulations

None known.

Sources

Community Rolling Action Plan (CoRAP) Regulation (EU) No 2019/1021 of the European Parliament and of the Council on persistent organic pollutants.

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

Regulation (EU) No 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

General information

Revision date 11.01.2023

Revision 1.0

Indication of changes

N/A

Full text of H-phrases as mentioned in Section 3

Flam. Liq. 2; H225, Highly flammable liquid and vapour.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway.

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE = Acute Toxicity Estimate.

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EC = European Community

EINECS = European Inventory of Existing Commercial chemical Substances

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LTTEL = Long term exposure limit

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

(Marpol = marine pollution)

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

REACH = Registration, Evaluation, Authorisation and Restriction of Chemical Substances

RID = The Regulations concerning the International Carriage of Goods by Rail

STEL = Short term exposure limit

STOT = Specific Target Organ Toxicity

UN = United Nations

vPvB = Very Persistent and Very Bioaccumulative

Additional Information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

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 himself as to the suitability of such information for his own particular use.