



According to Regulation (EC) No 1907/2006 of the European Parliament

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the substance or preparation	HAND SANITIZER
1.2. Use of the substance/ preparation	for personal use
1.3. Company/ undertaking identification	CMS Medical Station Lane Featherstone WF7 6EQ United Kingdom Tel: 01977600743 Fax:01977690456 Email: monika@cmsmedical.co.uk
1.4. Emergency telephone	111

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Product definition: Mixture

GHS Classification

Flammable liquids: Category 3
 Eye irritation: Category 2A

Hazard pictograms:



Signal word: Warning

Hazard statements: Flammable liquid and vapour.
 Causes serious eye irritation.

Precautionary statements:

Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.

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. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

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Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substance

N/A

3.2. Composition

Chemical name	CAS No.	EC No.	%	Classification (67/548/EEC)	Classification (1999/45/EC)
Ethanol	64-17-5	200-578-6	60-100	F; R11	H225

See Section 16 for full text of the R Phrases and H statements declared above

There is no additional ingredient present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and take to hospital immediately.

Skin contact: Seek medical attention if irritation develops or persists. Wash with warm soapy water.

Ingestion: Rinse out mouth with water. DO NOT INDUCE VOMITING.

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: High volume water jet.

Specific hazards during fire fighting: Fire Hazard Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Hazardous combustion products: Carbon oxides.

Special protective equipment for fire-fighters: Use personal protective equipment.

Specific extinguishing methods: Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

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Spillage:

Contain with soil or sand, ventilate spillage and allow to evaporate or take up mechanically.

Environmental:

Do not allow contact with soil, surface or ground water.

7. HANDLING AND STORAGE

7.1. Handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from fire, sparks and heated surfaces.

7.2. Storage

Keep away from heat and sources of ignition. Keep in a cool, wellventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers. Storage temperature: 0°C to 35°C.

7.3. Specific use(s)

N/A

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Exposure limit values

Ingredients with workplace control parameters

Ingredients	CAS no.	Form of exposure	Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m ³	OSHA Z1

8.2. Exposure controls

8.2.1. *Occupational exposure controls*

Eye/Face Protection: Recommended when manufacturing.

Skin Protection: Gloves recommended when manufacturing. Wash hands after using product.

Personal Hygiene: Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hand and face with soap and water before eating, drinking or smoking.

8.2.2. *Environmental exposure controls*

N/A

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

<i>Colour:</i>	depends on variant
<i>Physical state:</i>	gel
<i>Odour:</i>	characteristic

9.2. Important health, safety and environmental information

<i>pH Value:</i>	6.5-7.5
<i>Water solubility:</i>	soluble

9.3. Other information

None.

10. STABILITY AND REACTIVITY

10.1. Conditions to avoid

Heat, flames and sparks.

10.2. Materials to avoid

None known.

10.3. Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential health effects

<i>Eyes:</i>	Causes serious eye irritation.
<i>Skin :</i>	Health injuries are not known or expected under normal use.
<i>Ingestion:</i>	Health injuries are not known or expected under normal use.
<i>Inhalation:</i>	Health injuries are not known or expected under normal use.
<i>Chronic Exposure:</i>	Health injuries are not known or expected under normal use.

Experience with human exposure

<i>Eye contact:</i>	Redness, Pain, Irritation
<i>Skin contact:</i>	No symptoms known or expected.
<i>Ingestion:</i>	No symptoms known or expected.
<i>Inhalation:</i>	No symptoms known or expected.

Toxicity

<i>Acute oral toxicity:</i>	Acute toxicity estimate : > 5,000 mg/kg
<i>Acute inhalation toxicity:</i>	no data available
<i>Acute dermal toxicity:</i>	no data available
<i>Skin corrosion/irritation:</i>	no data available
<i>Serious eye damage/eye irritation:</i>	no data available
<i>Respiratory or skin sensitization:</i>	no data available

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Carcinogenicity

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive effects: no data available

STOT-single exposure: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT-repeated exposure: no data available

Aspiration toxicity: no data available

Ingredients

Acute inhalation toxicity: ethanol
4 h LC50 rat: 117 mg/l

Ingredients Acute dermal toxicity: ethanol LD50 rabbit: 15,800 mg/kg

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity

Harmful to aquatic life.

12.2. Mobility

No known significant effects or critical hazards.

12.3. Persistence and degradability

Not readily biodegradable.

12.4. Bioaccumulativ potential

No known significant effects or critical hazards.

12.5. Results of PBT assessment

No known significant effects or critical hazards.

12.6. Other adverse effects

No specific data.

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1. Waste treatment methods.

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-

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recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14. TRANSPORT INFORMATION

	ADR/RID	AND/ADNR	IMDG	IATA
14.1 UN number	1170	nda	1170	nda
14.2 UN proper shipping name	Ethanol solutions	nda	Ethanol solution	nda
14.3 Transport hazard classes	3	nda	3	nda
14.4 Packing group	III	nda	III	nda
14.5 Environmental hazards	None	nda	None	nda
Special precautions for user	None	nda	None	nda

15. REGULATORY INFORMATION

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

*EU Regulation (EC) No. 1907/2006 (REACH)
Annex XIV – List of substances subject to authorisation*

Directive 67/548/EEC

Directive 1999/45/EC

16. OTHER INFORMATION

Risk phrases in full

- R41 Risk of serious damage of eyes.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

Hazard statements in full

- H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Legal Disclaimer: The information in this leaflet is correct and accurate to the best of our knowledge, instruction, recommendations and/or suggestions are made without guarantee. This is not a specification and customers should satisfy themselves as to the completeness of information for their own particular use.