

# Material Safety Data Sheet



## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the substance or preparation

Trade name: Hand Sanitizer

### Company/undertaking identification

Manufacturer/Supplier: GS Air Med  
64 Kroonarend Road  
Randvaal  
1449  
  
Phone: ++27(0) 10 443 7840  
Email : [info@gsairmed.co.za](mailto:info@gsairmed.co.za)

Emergency telephone number : Phone : ++27(0) 10 443 7840

## 2. Hazards identification

**Hazard designation:** H225 Highly flammable liquid and vapour  
H319 Causes serious eye irritation, Eye Irritation Cat 2  
H336 May cause drowsiness or dizziness



**Symbols:**

**Signal Words:** Danger

### Precautionary statements:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces – No smoking.

P261 Avoid breathing fumes/ vapours/ sprays

P305+P352+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 If eye irritation persists: Get medical advice/ attention.

## 3. Composition/information on ingredients

### Chemical characterization of the ingredient

Description: Mixture of ethanol, isopropanol, water and other ingredients

Hazard(ous) ingredient(s):

CAS-No.:	Amount:	Name:	H-phrased
64-17-5	> 77%	ethanol	H225, H319
67-63-0	> 3%	isopropanol	H225, H319, H336
76-22-2	≤ 0.1%	Bornan-2-one	H228, H302, H332, H371

Hazard(ous) impurity(ies): none

## 4. First-aid measures

**General information:** If symptoms persist, call a doctor

**On inhalation:** In case of irritation of the airways, seek medical advice. Provide with fresh air.

**On contact with skin:** Wash off with: water.

**On contact with the eyes:** On contact with the eyes, rinse thoroughly with plenty of water and seek medical advice

**If swallowed:** If swallowed, do not induce vomiting; transport to nearest medical facility for additional treatment.

**Self-protection of first-aiders:** Note precautions for self-protection of first-aiders.

## 5. Fire-fighting measures

**Suitable extinguishing media:** Foam, Dry powder, Carbon dioxide, Water spray jet, Water

**Extinguishing media which must not be used for safety reasons:** -

**Special exposure hazards arising from the substance or preparation itself, combustion products,**

**resulting gases:**

Substances potentially set free in case of fire: Carbon monoxide, Carbon dioxide

Traces of other toxic substances can not be excluded.

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**Special protective equipment for fire-fighting:**

To use for fire – fighting: Protective clothing, Rubber boots, respiratory protection equipment

**Additional information:** Contaminated fire-fighting water must not be discharged into the drainage system.

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## 6. Accidental release measures

**Personal precautions:** Keep people away and stay on the upwind side. Use personal protective clothing.

**Environmental precautions:** Shut off leaks, if possible without personal risks. Prevent from spreading or entering drains, ditches or rivers by using appropriate barriers.

**Methods for cleaning up / taking up:** Clean contaminated floors and objects thoroughly observing environmental regulations.  
Suitable material for picking up: Organic absorbent material, Universal binder, Sawdust.

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## 7. Handling and Storage

**Handling:** Avoid eye contact

**Hints for protection against fire and explosion:** Product is highly flammable.

**Storage:** Do not store together with oxidizing agents.

Store only in original container.

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## 8. Exposure limitation and personal protective equipment

**Additional information on plant design:** See section 7; no additional measures necessary.

**Constituents with occupational exposure limits requiring monitoring:**

**Personal protective equipment:** none

**Hand protection:** none

**Eye protection:** Safety glasses with side shield. If handling big amounts with splashing risks.

**Generally health and safety measures:** Soiled clothing must be changed and thoroughly cleaned.

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## 9. Physical and chemical Properties

Form	liquid	pH-value at 10 g/l in water	7-8
Colour	clear	Flash point	>15°C
Odour	typical	Decomposition temperature	>80°C (contains water)
Pour point	<-10°C		
Density at 20°C	0,844 g/cm <sup>3</sup>		
Water solubility	soluble		
Fat solubility	partly soluble		

## 10. Stability and Reactivity

No hazardous decomposition products if stored and handled as prescribed.

No decomposition if used as prescribed.

## 11. Toxicological information

**Toxicity tests:** LD 50 rat > 1000 mg/kg

**General remarks:**

## 12. Ecological information

**Toxicity:**

**Further ecological information:** Do not discharge product into the environment without control

## 13. Disposal considerations

**Disposal / Waste (product):** Disposal in accordance with local laws

**Packages:** Contaminated packages must be completely emptied and may be reused after proper cleaning.

## 14. Transport information

Land transport (ADR/GGVS, RID/GGVE):	UN Code 1993, flammable liquid N.O.S. (contains ethanol) Class 3 F1 PGII
Inland waterway craft:	UN Code 1993, flammable liquid N.O.S. (contains ethanol) Class 3 F1 PGII
Marine transport (IMDG):	UN Code 1993, flammable liquid N.O.S. (contains ethanol) Class 3 F1 PGII
Air transport ICAO/IATA:	UN Code 1993, flammable liquid N.O.S. (contains ethanol) Class 3 F1 PGII

## 15. Regulatory information

### Safety, health and environmental regulations/legislations specific for the substance or mixture

If other regulatory information applies that is not already provided elsewhere in this safety data sheet then it is described in this subsection.

## 16. Other information

### Full text of hazard symbols if mentioned as hazardous components in chapter 3:

- H225 Highly flammable liquid and vapour
- H228 Flammable solid
- H302 Harmful if swallowed
- H319 Causes serious eye irritation
- H332 Harmful if inhaled
- H336 May cause drowsiness and dizziness
- H371 May cause damage to organs (lungs)

The information in this safety data sheet is provided in accordance with the national Chemicals regulations and the EC – Directives. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier control, the user is responsible for ensuring that the requirements of relevant laws are complied with. The information contained in this sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environment aspects and should not be construed as any guarantee of technical performance or suitability for particular application.