



# Material Safety Data Sheet

MSDS Code: EBO2003092-M137

Date of Issue: March 19, 2020

HAND SANITISER GEL

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## 1. Identification Of Substance

### Product Details

**Product Name:** HAND SANITISER GEL

**Product Use:** Hand sanitizer

**Manufacturer/Supplier By:** AUSTRALIAN PRINTING SYSTEMS  
3 Beddoe Rd, Vermont, Vic 3133  
Tel: +61-3-8819 1193

## 2. Hazards Identification

### Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008:** Flammable liquids (Category 3), H226

### GHS Label elements, including precautionary statements

#### Pictogram:



**Signal word:** Danger

**Hazard statement(s):**  
H225 Highly flammable liquid and vapour.

**Precautionary statement(s):**

P102 Keep out of reach of children.

P103 Read label before use.

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

P233 Keep container tightly closed.

P243 Take precautionary measures against static discharge.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

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

P501 Dispose of contents/ container to an approved waste disposal plant.

## 3. Composition/Data On Components

COMPONENT	CAS No.	% By wt.
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Ethyl Alcohol	64-17-5	60%-75%
Isopropyl Alcohol	67-63-0	9%
Carbomer	9062-04-8	0.2%
Parfum	8023-88-9	0.5%
Water	7732-18-5	29.5%-14.5%
Aloe Vera	85507-69-3	0.8%

## 4. First aid Measures

- Eye Contact:** Flush eyes with water as a precaution.
- Skin Contact:** Although this product is not expected to be irritating, sensitizing or cause allergic reaction when used as indicated, if symptoms do arise, rinse affected area with plenty of water until no evidence of the product remains. Obtain medical attention if irritation persists.
- Inhalation:** If breathing is affected, remove to fresh air.
- Ingestion:** Rinse mouth with water. Consult a physician.

## 5. Fire Fighting Measures

- Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Sand.
- Unsuitable extinguishing media:** Do not use a heavy water stream.
- Special hazard:** Fumes may catch fire.
- Special protective actions for fire-fighters:** As in any fire, firefighters should wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

## 6. Accidental Release Measures

- Personal precautions:** Use personal protective equipment. No open flames. No smoking.
- Environmental precautions:** Prevent entry to sewers and public waters.
- Methods for cleaning up:** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

## 7. Handling And Storage

- Handling:** Avoid contact with eyes.  
Use according to package label instructions.  
Do not taste or swallow.



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Use only with adequate ventilation.

Keep away from open flames, hot surfaces and sources of ignition.

For external use only.

**Storage:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Avoid storage under direct sunlight. Keep out of reach of children.

## 8. Exposure Controls And Personal Protection

**Engineering controls:**

This is a personal care product that is safe for consumers and other users under normal and reasonably foreseen use.

**Personal Protective equipment**

**Ventilation:**

No occupational exposure limits established.

**Respiratory protection:**

None required under normal conditions of use.

**Hand Protection:**

Not required under normal conditions of use.

**Eye Protection:**

Not required under normal conditions of use.

**Body Protection:**

Not required under normal conditions of use.

**General Safety and Hygiene measures:**

Do not eat or drink while working with the product.

Wash hands before breaks and at the end of work.

## 9. Physical And Chemical Properties

**General Information**

**Form:**

Gel

**Color:**

Green or white

**Odor:**

Alcohol smell

**pH:**

No data available

**Flashpoint:**

No data available

**Boiling Point:**

No data available

**Density:**

No data available

**Viscosity:**

No data available

**Oxidising properties:**

No data available

**Melting Point:**

No data available

**Vapor Pressure:**

No data available

**Vapor Density:**

No data available

**Solubility In Water:**

No data available

**Specific Gravity (H<sub>2</sub>O = 1):**

No data available

**Viscosity:**

No data available



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**Freezing Point:** No data available  
**Molecular Weight:** Mixture, Not Applicable

## 10. Stability And Reactivity

**Reactivity:** None under normal use conditions.  
**Chemical stability:** Stable under recommended storage conditions.  
**Possibility of hazardous reactions:** No data available.  
**Conditions to avoid:** Heat, flames and sparks.  
**Incompatible materials:** Strong oxidizing agents, strong acids, strong bases.  
**Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions. - Carbon oxides

## 11. Toxicological Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Acute toxicity:** CAS No.: 64-17-5  
LD50 Oral - Rat - male and female - 10,470 mg/kg  
(OECD Test Guideline 401)  
LC50 Inhalation - Rat - male and female - 4 h - 124.7 mg/l  
(OECD Test Guideline 403)  
LC50 Inhalation - Rat - 4 h - 30,000 mg/l  
CAS No.: 67-63-0  
LD50 Oral - Rat - 5.840 mg/kg  
(OECD Test Guideline 401)  
LC50 Inhalation - Rat - male and female - 4 h - 37,5 mg/l  
(OECD Test Guideline 403)  
LD50 Dermal - Rabbit - 12.800 mg/kg

**Inhalation:** No adverse effects are expected from normal use of product.  
**Skin Irritation:** No adverse effects are expected from normal contact.  
**Eye Irritation:** Any foreign body in the eye will cause irritation.  
**Immediate Effects:** No information on significant adverse effects.  
**Delayed Effects:** No information on significant adverse effects.  
**Irritation/Corrosivity Data:** No information on significant adverse effects.  
**Respiratory Sensitization:** No information available for the product.  
**Dermal Sensitization:** No information available for the product.



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<b>Component Carcinogenicity:</b>	None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA
<b>Germ Cell Mutagenicity:</b>	No information available for the product.
<b>Tumorigenic Data:</b>	No data available
<b>Reproductive Toxicity:</b>	No information available for the product.
<b>Specific Target Organ Toxicity - Single Exposure:</b>	No target organs identified.
<b>Specific Target Organ Toxicity - Repeated Exposure:</b>	No target organs identified.
<b>Aspiration hazard:</b>	No data available.
<b>Medical Conditions Aggravated by Exposure:</b>	No data available.

## 12. Ecological Information

<b>Toxicity:</b>	CAS No.: 64-17-5 Toxicity to fish: flow-through test LC50 - Pimephales promelas (fathead minnow) - 15.3 mg/l - 96 h Sigma-Aldrich - E7023 Page 7 of 8 Toxicity to daphnia and other aquatic invertebrates: LC50 - Ceriodaphnia dubia (water flea) - 5,012 mg/l - 48 h NOEC - Daphnia magna (Water flea) - 9.6 mg/l - 9 d Toxicity to algae: EC50 - Chlorella vulgaris (Fresh water algae) - 275 mg/l - 72 h (OECD Test Guideline 201) CAS No.: 67-63-0 Toxicity to fish: flow-through test LC50 - Pimephales promelas (fathead minnow) -9.640 mg/l - 96 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 13.299 mg/l - 48 h Remarks: (IUCLID) Toxicity to algae: IC50 - Desmodesmus subspicatus (green algae) - > 1.000 mg/l - 72h
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Remarks: (IUCLID)

Toxicity to bacteria:

EC5 - Pseudomonas putida - 1.050 mg/l - 16 h

Remarks: (Lit.)

**Persistence and degradability:**

CAS No.: 67-63-0

Biodegradability aerobic - Exposure time 5 d

Result: 53 % - Readily biodegradable.

(Directive 67/548/EEC, Annex V, C.6)

Theoretical oxygen demand: 2.400 mg/g

Remarks: (Lit.)

Ratio BOD/ThBOD 49 %

Remarks: (IUCLID)

**Biodegradability:**

CAS No.: 64-17-5

aerobic - Exposure time 15 d

Result: 95 % - Readily biodegradable.

(OECD Test Guideline 301E)

**General notes:**

Do not allow material to be released to the environment without proper governmental permits.

**Environmental Fate:**

No data available regarding the environmental fate or biodegradation.

## 13. Disposal Considerations

**Product-Recommendation:** Consult state, local or national regulations to ensure proper disposal.

**Uncleaned**

**packagings-Recommendation:** Disposal must be made according to official regulations.

## 14. Transport Information

**DOT**

**UN No.:** UN1170

**UN Proper shipping name:** HAND SANITISER GEL (Ethanol solution)

**Description:** UN1170, Ethyl Alcohol, 3, III, Ltd. Qty.

**Hazard Class:** 3

**Packing Group:** III

**Special Provisions:** 24, B1, IB3, T2, TP1

**Emergency Response Guide Number:** 127

**IMDG**



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**UN No.:** UN1170

**UN Proper shipping name:** HAND SANITISER GEL (Ethanol solution)

**Description:** UN1170, Ethyl Alcohol, 3, III , Ltd. Qty.

**Transport hazard class(es):** 3

**Packing Group:** III

**Special precautions for user:** 144, 223

**EmS-No:** F-E, S-D

**IATA**

**UN No.:** UN1170

**UN Proper shipping name:** HAND SANITISER GEL (Ethanol solution)

**Description:** UN1170, Ethyl Alcohol, 3, III , Ltd. Qty.

**Hazard Class:** 3

**Packing Group:** III

**ERG Code:** 3L

**Special precautions for user:** A180, A3, A58

**IATA comment:** Can also be shipped as ID8000 Consumer Commodity.

## 15. Regulations

### Product related hazard

**information:** Observe the general safety regulations when handling chemicals.

**National regulations:** All components of this product are listed in the EU Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

### Information about limitation of

**use:** For use only by technically qualified individuals.

## 16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### DISCLAIMER OF LIABILITY

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used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable. Accordingly, EBO Testing Center will not be responsible for damages resulting from use of or reliance upon this information.

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