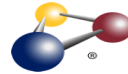


Safety Data Sheet

HAND GEL



SYMBIO AUSTRALIA
TOTAL HYGIENE SOLUTIONS

1. Identification

Trade name of product : HAND GEL
Other Shipping Name : Ethyl Alcohol Solution
Supplier Address : Symbio Australia Pty Ltd
71 Stradbroke Street Heathwood
Queensland 4110 Australia
Supplier Contact Details : Phone: 1300 4 Symbio, email: sds@symbio.com.au
Emergency telephone number : Poisons Information 131126
Material uses : Alcohol based Hand Sanitiser
Product dilution information : Use as supplied
Date of issue : 9 October 2017



2. Hazards identification

Product AS SOLD and AT USE DILUTION

Classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This material is **HAZARDOUS** according to Safe Work Australia's GHS Criteria.

Hazard Category

Flammable Liquids – Category 3

Serious Eye Irritation – Category 2A

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. Ground container and receiving equipment. Use explosion-proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Wear protective gloves / eye protection / face protection.

Wash hands thoroughly after handling.

Response:

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

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.

In case of fire use water based foam, chemical powder, dry agent or carbon dioxide.



HAND GEL

Storage:

Store locked up, in a well ventilated place. Keep container ightly closed. Keep cool. Store in accordance with local regulatory requirements.

Disposal:

Dispose in contents/container in accordance with local regulations.

General Phrases:Keep out of reach of children.

3. Composition/information on ingredients

Product AS SOLD and AT USE DILUTION

Ingredient name	CAS number	Proportion %	TWA mg/m ³	STEL mg / m ³
Ethyl Alcohol	64-17-5	60 - 90	1880	None allocated

Ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

4. First-aid measures

	Product AS SOLD and AT USE DILUTION
Eye contact	: Rinse with plenty of running water. Seek medical advice if symptoms occur.
Skin contact	: Remove contaminated clothing (wash before re-use). Then rinse with plenty of running water. Seek medical advice if symptoms occur.
Inhalation	: Remove to fresh air. Seek medical advice if symptoms occur.
Ingestion	: Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek medical advice if symptoms occur.
Notes to physician	: Treat symptomatically.

5. Fire-fighting measures

	Product AS SOLD and AT USE DILUTION
Extinguishing media	: Alcohol stable foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet.
Specific Hazards arising from the chemical	: FLAMMABLE. Carbon monoxide/dioxide may be evolved if incomplete combustion occurs.
Special protective equipment and precautions for fire-fighters	: Fire fighters to wear self-contained breathing apparatus in the event of a fire.
Hazchem Code	: ●2Y

6. Accidental release measures

- Product AS SOLD and AT USE DILUTION**
- Personal precautions** : Use PPE when handling any spills, including gloves, safety glasses and appropriate footwear. Remove non-essential personnel from the area. Ensure all ignition sources near the spill are removed.
- Environmental precautions** : Contain spill using appropriate bunding or capping. Prevent entry into drainage systems, sewers and waterways.
- Methods for cleaning up** : Spills may be slippery. Remove all ignition sources. Small spills use mop and bucket, for larger spills contain with absorbent material, collect and dispose.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Product AS SOLD and AT USE DILUTION**
- Handling** : Use clean dispensing equipment. Use appropriate PPE. Remove all ignition sources. Avoid breathing of or contact with material. Use in well ventilated areas. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants.
- Storage** : Keep container upright and cool and dry. Ensure good housekeeping in storage area. Store in original containers. Store in accordance with AS1940.

8. Exposure controls/personal protection

- Product AS SOLD and AT USE DILUTION**
- Occupational exposure limits** : No information available.
- Engineering measures** : Use sensible work practices that reduce operator exposure to the product. Ensure that adequate ventilation is provided, and air is moving constantly in the area of use while drum is open. Keep containers closed when not in use.
- Personal Protection**
- Eyes** : Safety glasses / goggles are recommended.
- Hands** : Use solvent resistant gloves (nitrile for longer term protection or PVC and neoprene for incidental splashes).
- Respiratory** : If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter and select a filter for organic gases and vapours (boiling point > 65 Deg C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
- Skin** : Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.

HAND GEL

9. Physical and chemical properties

	Product AS SOLD and AT USE DILUTION
Physical state	: Gel
Colour	: Colourless
Odour	: Alcohol
pH	: 4 - 6
Flash point (°C)	: 23
Specific Gravity (g/ml @ 25°C)	: 0.85-0.90
Solubility	: Soluble in water

10. Stability and reactivity

	Product AS SOLD and AT USE DILUTION
Reactivity	: Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.
Stability	: Stable under normal storage conditions.
Possibility of Hazardous Reactions	: Do not mix with strong oxidising agents.
Conditions to avoid	: Avoid heat, sparks, open flames and other ignition sources.
Incompatible Materials	: Strong oxidising agents.

11. Toxicological information

Potential acute health effects

	Product AS SOLD and AT USE DILUTION
Oral	: Expected to be of low toxicity: Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Skin	: Irritating to skin. Prolonged contact may cause defatting of skin which can lead to dermatitis.
Eyes	: May cause irritation, reddening of eyes.
Inhalation	: Not expected to be a respiratory irritant. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
Chronic	: Central nervous system: repeated exposure effects the nervous system. Affects reproductive system in animals at doses which produces other toxic effects.

12. Ecological information

Product AS SOLD and AT USE DILUTION

Ecotoxicity data

Persistence/degradability	: Readily biodegradable.
Mobility	: No known significant effects.
Other adverse effects	: No known significant effects.

HAND GEL

13. Disposal considerations

Methods of disposal : **Product AS SOLD and AT USE DILUTION**
Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

14. Transport information

Product AS SOLD and AT USE DILUTION

Regulation	UN Number	Proper shipping name	Classes	Packing group	Additional information
ADG	1170	Ethyl Alcohol Solution	3	III	Hazchem ●2Y

15. Regulatory information

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Wear protective gloves / eye protection / face protection.

Wash hands thoroughly after handling.

Response:

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General Phrases: Keep out of reach of children.

16. Other information

Literature References : Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Workplace exposure standards, Safe Work Australia.
Hazardous Sunstances/Chemicals Information System, Safe Work Australia.
Globally Harmonised System of classification and labelling of chemicals.
Raw material suppliers' SDS

Symbio Traffic Light System

Traffic Light	Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) (ADG7)	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) as adopted by Work, Health and Safety regulations, Australia.	Notes
RED	✓	✓	PLUS products that are NOT Classified as Dangerous Goods according to ADG7, but classified as Corrosive to eyes and skin and/or Aspiration Hazard Category 1 and/or Toxic to humans according to the GHS as adopted by Work, Health and Safety regulations, Australia
AMBER	✗	✓	EXCLUDING products that are classified as Corrosive to eyes and skin and/or Aspiration Hazard Category 1 and/or Toxic to humans according to the GHS as adopted by Work, Health and Safety regulations, Australia
GREEN	✗	✗	

Prepared by : Australian Chemical Services Pty Ltd (0411 863 178)
Reason for review : Remove STOT 3 classification – highly unlikely due to physical nature

This Safety Data Sheet is the first issue under the direction of the PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS of December 2011. The information sourced for the preparation of this document was correct and complete at the time or writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF SAFETY DATA SHEET