

# Material Safety Data Sheet for Aqium™ Gel

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## Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**Product Name** Aqium™ Antibacterial Hand Gel (Aust R 76927)

**Proper Shipping Name** Ethanol (Ethyl alcohol)  
Ethanol Solution (Ethyl alcohol solution)  
Ethanol (Ethyl alcohol) or Ethanol Solution (Ethyl alcohol solution)

**Product Use** Hand sanitiser for infection control.

**Supplier** Company: Ego Pharmaceuticals Pty Ltd  
Address: 21 - 31 Malcolm Road  
Braeside  
VIC, 3195  
AUS  
Telephone: +61 3 9587 1088  
Telephone: 1800 033 706  
Fax: 03 9580 7647

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## Section 2 – HAZARDS IDENTIFICATION

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**Statement of Hazardous Nature** Non-Hazardous (by the criteria of Worksafe Australia)  
Packaging Group: II  
UN Number: 1170  
Dangerous Goods Class/Subsidiary Risk: 3  
Hazchem Code: 2 [Y]

**Poison Schedule** None. Unscheduled.

**Risk** Flammable.  
Irritating to eyes.

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## Safety

Do not breathe gas/fumes/vapour/spray.  
Use in well ventilated areas.  
Keep large quantities in a well ventilated space.  
To clean the floor and all objects contaminated by this material, use water.  
Keep container tightly closed.  
In case of contact with eyes, rinse with plenty of water and contact a health care professional or the Poisons Information Centre on 13 11 26 (all states).  
If swallowed, contact a health care professional or the Poisons Information Centre on 13 11 26 (all states).

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## Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

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Constituent	Type
Ethanol – denatured*	Active
Thickener	Excipient
Dexpanthenol	Excipient
DL-alpha-tocopheryl acetate	Excipient
Fragrance	Excipient
pH neutraliser	Excipient
Water – purified	Excipient

\* Equivalent to 66% Ethanol

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## Section 4 – FIRST AID MEASURES

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### Swallowed

This product contains 66% ethanol. Give plenty of fluids and seek medical advice.

For advice, contact a Poisons Information Centre (13 11 26 all states) or a health care professional at once.

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<b>Eye</b>	Avoid assembling dispensers at eye level. If this product comes in contact with the eyes, rinse immediately with clean water. Seek medical advice.
<b>Skin</b>	No adverse effects anticipated from normal use. This product is intended to be in contact with human skin. If irritation occurs, rinse with clean water and discontinue use.
<b>Inhaled</b>	No effects with normal use. If fumes or combustion products are inhaled, remove patient from contaminated area and seek medical advice.
<b>Notes to Physician</b>	Treat symptomatically.

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## Section 5 – FIRE FIGHTING MEASURES

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<b>Extinguishing Media</b>	There are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas. Heat from a nearby fire may cause evaporation of water from the product, resulting in floating layers of combustible substances. In such an event consider: Foam Dry chemical powder Carbon dioxide
<b>Fire Fighting</b>	Alert Fire Brigade and tell them the location and nature of the hazard. When any large container > 5L (including road and rail tankers) is involved in a fire, consider evacuation by 500 meters in all directions.
<b>Fire/Explosion Hazard</b>	No significant fire hazard under normal circumstances. Contains ethanol, may be dangerous when exposed to heat. See flash point and flammability data under the heading Physical Description/Properties. No significant explosion hazard under normal circumstances. May become a hazard in the event of a fire if large numbers of containers are stored together.

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## Section 6 – ACCIDENTAL RELEASE MEASURES

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### Minor Spills

No special requirements.  
Remove all ignition sources and clean up all spills immediately.

### Major Spills

Clear area of personnel and move upwind.  
Alert Fire Brigade and tell them location and nature of hazard.  
May be violently or explosively reactive.  
Wear breathing apparatus plus protective gloves.  
Prevent, by any means available, spillage from entering drains or water course.  
No smoking, naked lights or ignition sources.  
Increase ventilation.  
Stop leak if safe to do so.  
Water spray or fog may be used to disperse/absorb vapour.  
Contain spill with sand, earth or vermiculite.  
Use only spark-free shovels and explosion proof equipment.  
Collect recoverable product into labelled containers for recycling.  
Absorb remaining product with sand, earth or vermiculite.  
Collect solid residues and seal in labelled drums for disposal.  
Wash area and prevent runoff into drains.  
If contamination of drains or waterways occurs, advise emergency services.

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## Section 7 – HANDLING AND STORAGE

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### Suitable Container

Packing as supplied by manufacturer. Plastic containers may only be used if approved for flammable liquid. Check that containers are clearly labelled and free from leaks.

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## Procedure for Handling Bulk or Large Quantities

Avoid all personal contact, including inhalation.  
Wear protective clothing when risk of overexposure occurs.  
Use in a well-ventilated area.  
Prevent concentration in hollows and sumps.  
DO NOT enter confined spaces until atmosphere has been checked.  
Avoid smoking, naked lights or ignition sources.  
Avoid generation of static electricity.  
Earth all lines and equipment.  
Use spark-free tools when handling.  
Avoid contact with incompatible materials.  
When handling, DO NOT eat, drink or smoke.  
Keep containers securely sealed when not in use.  
Avoid physical damage to containers.  
Always wash hands with soap and water after handling.  
Work clothes should be laundered separately.  
Use good occupational work practice.  
Observe manufacturer's storing and handling requirements.  
Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.

## Storage Requirements

Store away from dangerous chemicals.  
Store below 30°C.  
Store in original containers.  
Keep containers securely sealed.  
No smoking, naked lights, heat or ignition sources.  
Must comply with any regulations applicable to the transport of flammable goods.

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## Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Hands / Ventilation

No special requirements under normal use.

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## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance** Clear colourless gel

**Boiling / melting point** > 78°C

**Percent volatiles** 66%

**Specific gravity** Approx. 0.87 g/mL

**Flash point** 18°C (closed cup)

**pH** 6.0 to 7.5

**Ingredient CAS Number:** 64-17-5  
DENATURED ETHANOL

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## Section 10 – CHEMICAL STABILITY AND REACTIVITY INFORMATION

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**Conditions Contributing to Instability :** Segregate from strong oxidisers

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## Section 11 – TOXICOLOGICAL INFORMATION

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### POTENTIAL HEALTH EFFECTS

#### Acute :

#### Swallowed

Accidental ingestion may be damaging to the health of the individual. Ingestion of ethanol may produce nausea, vomiting, gastrointestinal bleeding, abdominal pain and diarrhoea. Mild systemic effects include impaired visual acuity, coordination and reaction time, emotional lability.

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<b>Eye</b>	The product may cause severe irritation to the eye causing pronounced inflammation.
<b>Skin</b>	Not considered to cause discomfort through normal use.
<b>Inhaled</b>	Not considered to cause discomfort through normal use.
<b>Chronic:</b>	Not considered to cause discomfort through normal use.
<b>TOXICITY AND IRRITATION:</b>	Ethanol: Oral (human) LDLo: 1400mg/kg Skin (rabbit): 400mg (open) – Mild

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## Section 12 – ECOLOGICAL INFORMATION

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Do not discharge into sewer or waterways.

When ethanol is released into the soil it readily and quickly biodegrades but may leach into ground water; most is lost by evaporation.

When released into water the material readily evaporates and is biodegradable.

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## Section 13 – DISPOSAL CONSIDERATIONS

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Empty packaging may be placed in the Recycling bin.

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## Section 14 – TRANSPORT INFORMATION



**Labels Required** Flammable

**HAZCHEM** 2[Y]

### Land Transport UNDG:

Dangerous Goods Class 3 Subrisk: None

UN Number: 1170 Packing Group: III

Shipping Name: Ethanol (Ethyl alcohol)  
Ethanol Solution (Ethyl alcohol solution)  
Ethanol (Ethyl alcohol) or Ethanol Solution (Ethyl alcohol solution)

### Air Transport IATA:

ICAO/IATA Class: 3 ICAO/IATA Subrisk: None

UN/ID Number: 1170 Packing Group: III

ERG Code: 3L

Shipping Name: Ethanol

### Air Maritime Transport IMDG:

IMDG Class: 3 IMDG Subrisk:: None

UN Number: 1170 Packing Group: III

EMS Number: F-E,S-D

Shipping Name: Ethanol (Ethyl alcohol) or Ethanol Solution (Ethyl alcohol solution)

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## Section 15 – REGULATORY INFORMATION

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### POISONS SCHEDULE

None

### REGULATIONS

Ethanol (CAS: 64-17-5) is found on the following regulatory lists:

- Australia High Volume Industrial Chemical Substances (HVICL)
- Australian Inventory of Chemical Substances (AICS)
- Australian Poisons Schedule
- International Council of Chemical Associations (ICCA) – High Production Volume List
- OECD Representative List of High Production Volume (HPV) Chemicals

Water (CAS: 7732-18-5) is found on the following regulatory lists:

- Australian Inventory of Chemical Substances (AICS)
- OECD Representative List of High Production Volume (HPV) Chemicals

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## Section 16 – OTHER INFORMATION

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Aqium™ Gel has been included on the Australian Register of Therapeutic Goods (ARTG) of the Therapeutic Goods Administration, an arm of the Commonwealth Department of Health and Aging.

Aqium™ Gel is labelled according to stringent therapeutic goods requirements as determined by the Standard for the Uniform Scheduling of Drugs and Poisons and the current Therapeutic Goods Order General requirements for labels for drug products.

The ingredients in Aqium™ Gel have been assessed for both safety and efficacy by the Therapeutic Goods Administration.

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