

**SAFETY DATA SHEET**  
**AERIS ACTIPRO GEL**

**SECTION 1: IDENTIFICATION**

**PRODUCT NAME:** **AERIS ACTIPRO GEL**

**Product code:** AG-ATSG-750S; AG-ATSG-500S, AG-ATSG-5S

**Uses:** Antibacterial Hand Sanitiser

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**Emergency:** In Australia 02 83441315, from outside Australia +612  
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**SECTION 2: HAZARDS IDENTIFICATION**

**According to Dangerous goods Regulation (IATA and ADG classification):**

Flammable liquid class 3, Packing group II.

Classification according to GHS: Flammable liquid category 2.

**Label element:**

Pictogram:



Hazard statement:

Highly flammable liquid and vapour.

Signal Word:

DANGER

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces.– No smoking.
P233	Keep container tightly closed.
P241	Use explosion-proof electrical/ventilating/and lighting equipment.
P240:	Ground/bond container and receiving equipment.
P305+351+338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

### SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO	(% w/w)
Ethanol	64-17-5	60 - 70
Water		30.0 – 40.0

### SECTION 4: FIRST AID

- Swallowed: Rinse mouth and drink two glasses of water if patient is conscious. Do NOT induce vomiting. Contact a doctor if symptoms persist.
- Eye: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Seek medical advice if symptom persists.
- Skin: Rinse skin with water.
- Inhalation: Remove person to fresh air and keep comfortable for breathing.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

Alcohol stable foam, carbon dioxide, dry chemical or alcohol resistant foam to extinguish.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products may be released during prolonged heating: smoke, carbon monoxide and carbon dioxide.

#### 5.3. Advice for firefighters:

Exercise caution when fighting any chemical fire.

Protective equipment for firefighters:

Use self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self-contained breathing apparatus.

Other information:

Hazardous decomposition products may be released during prolonged heating at temperatures exceeding 100°C - smokes, carbon monoxide and dioxide.

#### 5.4 Hazchem code: •2YE

### SECTION 6: SPILLAGE, ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures:

- Remove all ignition sources. No smoking.
- Avoid breathing vapours. In case of inadequate ventilation wear an approved organic vapour respirator.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Dispose of contents/container to an approved waste disposal plant.
- Collect minor spillage if safe to do so.
- Avoid release to the environment.

##### 6.1.1. For non-emergency personnel

Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

Emergency procedures:

Stop leak if safe to do so, ventilate area if possible.

#### 6.2. Environmental precautions

Avoid release to the environment. Wash off minor spill with copious amounts of water.

#### 6.3. Methods and material for containment and cleaning up

Minor Spills

Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment.

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.

#### 6.4. Reference to other sections

Section 8. Exposure controls and personal protection

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling in the factory

Precautions for safe handling:

- |       |  |
|-------|--|
| P210: | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P235: | Keep cool.   |
| P241: | Use explosion-proof electrical/ventilating/lighting/equipment.                                 |
| P242: | Use only non-sparking tools.   |

- P243: Take precautionary measures against static discharge.  
 P261: Avoid breathing vapours/spray  
 P264: Wash hands thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P284: In case of inadequate ventilation wear respiratory protection.

In case of inadequate ventilation wear respiratory protection (e.g. solvent mask).  
 For bulk liquid:

- P240: Ground/bond container and receiving equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P235: Keep cool.  
 P240: Ground/bond container and receiving equipment.  
 P241: Use explosion-proof electrical/ventilating/lighting/equipment.  
 P242: Use only non-sparking tools.  
 P243: Take precautionary measures against static discharge.

Store below 30°C. Store upright in original containers. Keep away from strong acids, strong oxidising substances. DO NOT store in pits, depressions, basements or areas where vapours may be trapped.

### 7.3. Specific end use(s)

Read the label before using the product. Avoid contact with eyes.

## SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

### Exposure Limits (Safe work Australia):

Name	Cas No	TWA (ppm)	TWA (mg/m3)	STEL (ppm)	STEL (mg/m3)
Ethyl alcohol	64-17-5	1000	1880	-	-

Ingredient	Original IDLH	Revised IDLH
ethanol	3,300 ppm	Not Available

Personal protective equipment:

P280: Wear protective gloves/protective clothing/eye protection

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Clear, colourless, Homogeneous highly flammable liquid with aloe vera, citrus odour; mixes with water
Relative density (Water = 1)	0.88-0.90
Odour	Not Available
Partition coefficient n-octanol/ water	Not Available
Odour threshold	Not Available
Auto-ignition temperature (°C)	Not Available
pH (as supplied)	6.7-7.3
Decomposition temperature	Not Available
Melting point / freezing point(°C)	Not Available
Viscosity (cSt)	4000 – 6000 cPs
Initial boiling point and boiling range (°C)	Not Available
Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Available
Taste	Not Available
Evaporation rate	Not Available
Explosive properties	Not Available
Flammability	Not Available
Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available
Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available
Volatile Component (% vol)	Not Available
Vapour pressure (kPa)	Not Available
Gas group	Not Available
Solubility in water	Miscible
pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available
VOC g/L	Not Available

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**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Stable under normal working/storage condition.

**10.2 Chemical stability**

Stable under normal working/storage condition. Reacts slowly with calcium hypochlorite, silver oxide and ammonia, causing fire and explosion hazard.

**10.3 Possibility of hazardous reactions**

Reacts violently with strong oxidants such as nitric acid, silver nitrate, mercuric nitrate or magnesium perchlorate, causing fire and explosion hazard.

**10.4 Conditions to avoid**

Heat, flames and sparks, storing at temp above 30°C, under the sun.

**10.5 Incompatible materials**

Strong oxidising agents, strong acids, silver nitrate, mercuric nitrate, metal perchlorate.

**10.6 Hazardous decomposition products**

Carbon oxides.

**SECTION 11: TOXICOLOGICAL INFORMATION**

The toxicity studies on animals on this product have not been conducted.

The product is eye irritating according to criteria of GHS.

None of the ingredient is listed in the international list of known carcinogens, mutagens, and developmental toxins.

The following is the toxicology of ethanol as the major ingredient:

May cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling the epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis.

Inhalation (rat) LC50: 124.7 mg/l/4H    Oral (rat) LD50: =1501 mg/kg

Eye (rabbit): 500 mg SEVERE

Eye (rabbit): 100mg/24hr-moderate

Eye: adverse effect observed (irritating)

Skin (rabbit): 20 mg/24hr-moderate

Skin (rabbit): 400 mg (open)-mild

Skin: no adverse effect observed (not irritating)

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity study of this preparation is not available; however, all the ingredients in this product are readily biodegradable. None of the ingredients are classified as PBT or vPvB

### SECTION 13: DISPOSAL CONSIDERATIONS

Avoid release to the environment. Dispose of empty container by incineration in accordance with local regulation. Dispose of unused contents by in accordance with local regulation. Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority.

### SECTION 14: TRANSPORT INFORMATION

14.1. Transport Classification:	Dangerous goods
14.2. UN Number and shipping name:	UN1170, Ethanol solution
14.3. Transport Class:	Class 3 flammable liquid
14.4. Packing Group:	II
14.5. Environmental hazards:	Not classified
14.6. Hazchem code	•2YE
14.7. Air transport IATA Class:	Dangerous goods as above
14.8. Marine pollutant	No

### SECTION 15: REGULATORY INFORMATION

Ingredients status in the following countries inventory:

<u>National Inventory</u>	<u>Status</u>
Australia - AICS	Yes
Canada - DSL	Yes
Canada - NDSL	No (ethanol)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - ARIPS	Yes

### SECTION 16: OTHER INFORMATION

PBT: Persistent Bioaccumulative Toxic  
vPvB: very Persistent very Bioaccumulative

Date of SDS revised: 1/05/2020



“The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet, which involves using the product, or otherwise that in accordance with instructions of use on product packaging is the responsibility of the user. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Aeris Environmental Ltd

END

