

SAFETY DATA SHEET
AERIS ACTISAN GEL**SECTION 1: IDENTIFICATION**

PRODUCT NAME:	AERIS ACTISAN GEL
Product code:	AG-ATSG-60, AG-ATSG-125N, AG-ATSG-500, AG-ATSG-1000, AG-ATSG-500C, AG-ATSG-60A, AG-ATSG-100, AG-ATSG-750, AG-ATSG-5, AG-ATSG-1, AG-ATSG-1.5, AG-ATSG-500A
Uses:	Antibacterial Hand Sanitiser
Company:	Aeris Environmental Ltd, Level 1, Unit 5 / 26-34 Dunning Ave, Rosebery, NSW 2018 AUSTRALIA Phone: +61 2 8344 1315 Fax: +61 2 96970944 Aeris Environmental 11, St. Francis, Triq Ta'Gawdieri San Gwann, SGN1740 Malta
Emergency:	In Australia 02 83441315, from outside Australia +612 83441315

SECTION 2: HAZARDS IDENTIFICATION**According to Dangerous goods Regulation (IATA and ADG classification):**

Flammable liquid class 3, Packing group III.

Classification according to GHS: Flammable liquid category 3.

Label element:Pictogram:Hazard statement:

flammable liquid and vapour.

Signal Word:

WARNING

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.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
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.
- 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

Use water fog (or fine water spray), 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: ·2Y

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 spillage.
- 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. Collect major spillage. Wash off minor spill with copious amounts of water.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up:

Soak up major spills with inert solids, such as clay or diatomaceous earth as soon as possible. Avoid high pressure rinsing. Comply with applicable local, national and international regulation. Collect spillage. The collected spillage should be kept cool, away from other materials, from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Residue and minor spill may be washed down with water to a sanitary sewer with copious amounts of water.

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 25°C. Store upright in original containers. Keep away from strong acids, strong oxidising substances.

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	-	-

Personal protective equipment:

P280: Wear protective gloves/protective clothing/eye protection

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light alcoholic colourless liquid
Boiling Point:	78 - 85 °C
Vapour pressure:	Not available
Specific gravity:	0.80 – 0.90
Solubility in water:	Soluble
pH Level:	4 – 7

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Flash point
(Pensky Martens Closed cup) 24°C

Reactivity in water/air: Not reactive

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 25°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 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.

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 contents/container by incineration in accordance with local regulation

SECTION 14: TRANSPORT INFORMATION

14.1. Transport Classification:	Dangerous goods
14.2. UN Number and shipping name:	UN1170, Ethanol
14.3. Transport Class:	Class 3 flammable liquid
14.4. Packing Group:	III
14.5. Environmental hazards:	Not classified
14.6. Hazchem code	•2Y
14.7. Air transport IATA Class:	Dangerous goods as above

SECTION 15: REGULATORY INFORMATION

All the ingredients are listed in the AICS (Australian Inventory of Chemical Substances), TSCA (Toxic Substance Control Act), and EINECS (European Inventory of Existing Commercial Substances) or exempted.

SECTION 16: OTHER INFORMATION

Date of SDS revision: 01/05/2020

“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

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