



SAFETY DATASHEET

AERIS DEFENCE

SECTION 1: IDENTIFICATION

PRODUCT NAME(S): **AERIS DEFENCE**

Product code: AG-AD-750

Uses: AG-AD-5
Hard surface cleaning detergent

Company Name: Aeris Environmental Ltd, 5/26-34 Dunning Ave, Rosebery, NSW 2018, Australia

Emergency Contact number: In Australia 02 83441315, from overseas +612 83441315

SECTION 2: HAZARDS IDENTIFICATION

(According to GHS Classification and Labelling of chemicals)

Not classified

Signal word:

None

Pictogram:

None

Hazard statement:

None

Precautionary statements:

Prevention

None

Response

None



SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical name	CAS Number	% w/w
Benzalkonium chloride	68424-85-1	0.1 – 2.5
Water	7732-18-5	97.5 – 99.9

SECTION 4: FIRST AID

- Swallowed:** Immediately rinse mouth and drink plenty of water. Seek medical attention if symptoms persist.
- Eye contact:** 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/attention.
- Skin contact:** Remove contaminated clothing. Rinse skin with plenty of water. If irritation occurs seek medical advice.
- Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a doctor physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media: Use water spray, dry chemical, and carbon dioxide to extinguish.

Special hazards arising from the substance or mixture: Hazardous decomposition products may be released during prolonged heating: smoke, carbon monoxide and carbon dioxide.

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.

Hazchem Code: None assigned.

SECTION 6: SPILLAGE, ACCIDENTAL RELEASE MEASURES

Emergency procedures: Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Do not touch or walk-through spilled material.

Methods and materials for containment and clean up procedures: Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled drums for disposal. Wash the area down with excess water to remove residual material.

SECTION 7: HANDLING AND STORAGE

- P260: Do not breathe mist/vapours/spray.
- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves/protective clothing/eye protection

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

National Exposure Standards – Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
None known			

Biological limit values: Not Relevant.

Engineering controls: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Eye/face protection – usually not needed but if required, use eye protection.

Skin protection – usually not needed but if required, use nitrile gloves or similar to prevent skin contact.

Respiratory protection – Respirator is not usually necessary but if required use a respirator suitable for organic vapours.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour:	Clear to slightly hazy liquid with lemony fragrance.
Solubility:	Readily soluble in water.
Specific Gravity (20°C):	0.97 – 1.1
Rel Vapour Density (air=1):	N Av
Boiling Point (°C):	95 – 100°C
Vapour Pressure (20°C):	N Av
Flash Point (°C):	No data, aqueous solution, non-flammable
pH:	2.7 – 3.3
Viscosity (20°C):	N Av

N Av = Not available N App = Not applicable

SECTION 10: STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Excessive heat will lead to accelerated oxidative degradation.
Incompatible materials:	Reacts with strong oxidising agents.
Hazardous decomposition products:	Carbon monoxide and carbon dioxide.
Hazardous reactions:	None assigned.

SECTION 11: TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Acute Effects

Ingestion: No adverse effects expected, however large amounts may cause nausea and vomiting.

Eye contact: No adverse effects expected.

Skin contact: No adverse effects expected.

Inhalation: No adverse effects expected.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

No LC50 data available for product.

Mobility

No data available for product.

Avoid contaminating waterways.

None of the ingredients are classified as PBT or vPvB.

Readily biodegradable

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: Empty containers should be forwarded to an approved agent for recycling. Avoid unauthorised discharge to sewer.

Special precautions for landfill or incineration: Material suitable for disposal by incineration or landfill through an approved agent.

SECTION 14: TRANSPORT INFORMATION**Road and Rail Transport**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15: REGULATORY INFORMATION**Country/Region Inventory Status**

Australia AICS Listed; Canada DSL Listed; Europe EINECS Exempt from listing; Japan ENCS Listed; Korea ECL Listed; New Zealand - Non-Hazardous Substance; United States TSCA Listed

SECTION 16: OTHER INFORMATION



“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 the Aeris Environmental Ltd, on +61 2 83441315

Date of SDS revision: 2/03/2026

