

**SAFETY DATA SHEET**

Aeris Guard Bioactive Coil Treatment

**SECTION 1: IDENTIFICATION**

Product name: **Aeris Guard Bioactive Coil Treatment**  
 Product code: 01-02-00003  
 Uses: For application on HVAC heat exchange coils  
 Company: Aeris Environmental, Level 1, Unit 5 / 26-34 Dunning Ave Rosebery NSW  
 AUSTRALIA 2018 Phone: +61 2 8344 1315 Fax: +61 2 9697 0944  
 Emergency contact number: In Australia 02 83441315, from overseas +612 83441315

**SECTION 2: HAZARDS IDENTIFICATION**

(According to GHS Classification and Labelling of chemicals)

Flammable liquid. Category 2.

Pictogram:Signal word:

Danger

Hazard statement:

H225 Highly flammable liquid and vapour

Precautionary statements*Prevention*

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.  
 P280 Wear protective rubber gloves, eye protection and solvent mask.

*Response*

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P370 + P378 In case of fire: Use water fog, foam or dry agent for extinction.

*Storage*

P403 + P235 Store in a well-ventilated place. Keep cool.

*Disposal*

P501 Dispose of contents/container in accordance with local Regulations.

**SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS NO.	PROPORTION (% w/w)
Triclosan	[3380-34-5]	<5.0% w/w
Triethanolamine	[102-71-6]	<1.0 % w/w
Ethanol	[64-17-5]	to 100% w/w
Ingredients determined not to be hazardous	-	<30%

#### SECTION 4: FIRST AID

Skin contact:	Remove any contaminated clothing. Rinse skin with plenty of water.
Eye contact:	Immediately wash thoroughly with plenty of water for 15 minutes. Seek medical attention if symptoms persist.
Ingestion:	Immediately rinse mouth and drink plenty of water. Induce vomiting in conscious person by giving syrup of Ipecac. Seek medical attention if symptoms persist.
Inhalation:	Remove from contaminated area. Move to fresh air, rest patient and seek medical attention if symptoms persist. Give artificial respiration if breathing stops.

#### *Advice to doctor*

Treat symptomatically. Gastric lavage may be indicated if ingested. Do not wait for symptoms to develop. General measures should be taken to control acidosis and maintain urine output.

#### SECTION 5: FIRE FIGHTING MEASURES

##### *Fire/Explosion hazard*

This product is highly flammable. Vapours are heavier than air and will 'travel' to low-level areas e.g. sumps, drains, etc. and flashback. Precautions should be taken to eliminate the build up of explosive mixtures. Run off to sewers and drains may cause explosions. The use of compressed air for filling, discharging, mixing or handling is prohibited due to the vapour hazard. All vessels must be earthed to avoid generation of static charges when agitating or transferring solvents. Containers previously holding ethanol products must be degassed before entry or subjected to sources of ignition, refer AS 1940.

##### *Hazardous Combustion Products*

Under fire conditions this product may emit toxic fumes including carbon monoxide.

##### *Fire Fighting Procedures*

Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Use water spray to cool fire exposed containers.

##### *Extinguishing Media*

Use water fog, foam or dry agent.

#### SECTION 6: SPILLAGE ACCIDENTAL RELEASE MEASURES

Ventilate. Remove all ignition sources. Collect leaking and spilled liquid in sealable containers as far as possible. Wash away remainder with plenty of water. Mop dry.

#### SECTION 7: HANDLING AND STORAGE

Class 3-2 Flammable liquid. All electrical equipment, including lighting, used in proximity to storage of this product and all electrical process equipment used in any process involving ethanol should be selected and installed in accordance with local wiring rules and local standards.

Store with all precautions required for handling flammable liquids. Keep containers upright. Store away from strong oxidants such as nitric acid, silver nitrate, mercuric nitrate, or magnesium perchlorate.

#### SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

These are guides only and do not represent 'no-effect' levels, which guarantee protection to every worker.

Worksafe Australia has established exposure standards for the following ingredients: Ethyl alcohol 1,000 ppm (1,880 mg/cubic metre).

The use of solvent mask, PVC or Neoprene gloves, safety goggles and aprons is recommended.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	A clear, pink coloured alcoholic liquid
Boiling point:	78 – 84°C
Flash point:	17°C (Pensky-Martens closed cup)
Specific gravity:	0.78 – 0.84 @ 20°C
Solubility in water:	Form a polymer film
Reactivity in water/air:	Not reactive
pH:	6.0 -8.5

#### SECTION 10: STABILITY AND REACTIVITY

This material is stable under normal working/storage conditions. Reacts slowly with calcium hypochlorite, silver oxide and ammonia, causing fire and explosion hazard. Reacts violently with strong oxidants such as nitric acid, silver nitrate, mercuric nitrate or magnesium perchlorate, causing fire and explosion hazard.

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### Acute toxicity

Oral LD50 rat:	>5000 mg/kg
Dermal LD50 rabbit	>5050 mg/kg
Inhalation LC50 rat	>2.14 mg/L

##### Skin irritation

Acute dermal irritation (rabbit):	Slightly irritating
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##### Serious eye irritation

Primary eye irritation (rabbit):	Moderately irritating
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##### Skin sensitisation

Skin sensitization (Buehler, Guinea Pig):	Not a sensitizer
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##### Germ cell mutagenicity.

None of the ingredients are listed in the international list of known mutagen.

##### Carcinogenicity.

The International Agency for Research of Cancer (IARC) has evaluated alcohol drinking as "Group 1 – carcinogenic to humans". None of the other ingredients are listed in the international list of known carcinogens.

##### Reproductive toxicity

Ethanol may also cause adverse reproductive effects. Ingestion of beverages containing ethanol by pregnant women is associated with “foetal alcohol syndrome” in their babies. None of the other ingredients are listed in the international list of known development toxins.

Specific Target Organ Toxicity (STOT) – single exposure

Ingestion of large amount ethanol may cause harmful central nervous system effects. Effects may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death. Severe acute intoxication may cause hypoglycaemia, hypothermia, and extensor rigidity. Other Effects may include decreased blood pressure, vomiting blood and blood changes. Persons with pre-existing liver impairment, skin and respiratory disorders may be at an increased risk from exposure. Concurrent absorption of ethanol and some drugs may cause adverse health effects.

Specific Target Organ Toxicity (STOT) – repeated exposure

Repeated exposure may cause skin dryness and cracking. Chronic intoxication by swallowing or repeated inhalation of ethanol may cause degenerative changes in the liver, kidneys, hair, and gastrointestinal tract and heart muscle.

Aspiration hazard.

Aspiration of ethanol into the lungs may cause pneumonitis or lungs damage.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity study of this mixture is not available; none of the ingredients are toxic to aquatic animals except the active ingredients Triclosan with an LC<sub>50</sub> of 0.5 mg/L.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Do not contaminate water, food or feed. Completely empty the package according to local and state regulation. Triple rinse with water. Dispose of package in a sanitary landfill, or by incineration, if allowed by State and local authorities. If burned, stay out of smoke.

**SECTION 14: TRANSPORT INFORMATION**

Class-3 Flammable liquid, Containing ethanol

UN No.: 1170

HazChem: 2(Y)E

Packing group: II

Subsidiary risk: None allocated

**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**

The opinions expressed herein are those of qualified experts. We believe that the information contained herein is current as of the date of this SDS. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Aeris Environmental Ltd it is the user's obligation to assure safe use of the product.

Date of SDS revision: 8 Aug 2017

END of SDS