SAFETY DATA SHEET
MULTI-ENZYME COIL CLEANER

SECTION 1: IDENTIFICATION

Product name:	**Multi-Enzyme Coil Cleaner**
Product code	AG-ECC-1 AG-ECC-200
Uses:	To clean air conditioning heat exchange coils.
Company Name:	Aeris Environmental Ltd, Level 1, Unit 5 / 26-34 Dunning Ave, Rosebery, NSW 2018 AUSTRALIA Phone: +61 2 8344 1315 Fax: +61 2 96970944
Emergency Contact Number:	In Australia 02 83441315 From outside Australia +61 2 83441315 USA: 908 878 7985

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to GHS:
Reproductive Toxicity category 1. In-use diluted product is not classified as hazardous.

Classification according to Work Safe Australia:
Reproductive Toxicity category 1

Additional information:
For full text of Hazard-statements: see SECTION 16

Label elements
Labelling according to GHS.
Pictogram:

Signal word: DANGER
Hazard statements:
H360: May damage fertility or the unborn child

Precautionary statements:
P261: Avoid breathing mist, spray and vapours
P262: Do not get in eyes, on skin, or on clothing
P281: Use personal protective equipment as required

Other hazards
Contains enzymes. May produce an allergic reaction on prolonged contact.

Product diluted in-use is not classified as hazardous according to GHS classification.

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SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Material	CAS number	Level	GHS /CLP (EC) No. 1272/2008 Classification
Alkoxylated alcohol	68439-50-9	1-5%	Not classified at this concentration
Sodium tetraborate decahydrate	1303-96-4	<5%	Repr. 1B, H360
Propylene Glycol Halal Kosher	57-55-6	1-5%	Not classified at this concentration
Protease as pure enzyme protein	9014-01-1	0.1-1%	Skin Irrit. 2, H315, Eye Dam. 1, H318, Resp. Sens.1, H334 STOT SE 3, H335 Not classified at this concentration
Lipase as pure enzyme protein	9001-62-1	0.1-1%	Not classified at this concentration
Endocellulase as pure enzyme protein	9012-54-8	0.1-1%	Resp. Sens. 1, H334 Not classified at this concentration
Alpha-amylase as pure enzyme protein	9000-90-2	0.1-1%	Resp. Sens. 1, H334 Not classified at this concentration
C37H34N2Na2O9S3 Blue Dye CI 42090	3844-45-9	< 0.01%	Not classified at this concentration
Benzalkonium chloride	85409-22-9	0.2 – 0.5	Not classfied at this concentration
Water	7732-18-5	To 100%	-

SECTION 4: FIRST AID

Description of first aid measures

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.

Swallowed: Immediately rinse mouth and drink plenty of water. Seek medical attention if symptoms persist.

Skin contact: Remove contaminated clothing. Rinse skin with plenty of water.

Inhalation: Remove from contaminated area. Move to fresh air, rest patient. If required, seek medical advice.

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SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Non-flammable. Will not promote combustion.

SECTION 6: SPILLAGE ACCIDENTAL RELEASE MEASURES

Methods and material for containment and cleaning up

Avoid entering waterways. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Mop up the remaining material.

SECTION 7: HANDLING AND STORAGE

Conditions for safe storage, including any incompatibilities

Store upright in a cool, dry area, out of direct sunlight. Keep containers closed when not in use.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Control parameters

Workplace exposure limits
Subtilisin 0.04 µg/m3 WEL 8 hour TWA
Cellulase 0.06 µg/m3 WEL 8 hour TWA
Lipase 0.06 µg/m3 WEL 8 hour TWA
Amylase 0.06 µg/m3 WEL 8 hour TWA
Borate ion: 1 mg/m3 WEL 8 hour TWA

Exposure controls

These measures are recommended on the basis of common application methods and may not be appropriate to all potential applications of the product. The user is responsible for carrying out a full risk assessment for their specific processes and systems of work.

Eye protection: Wear eye protection to EN 166 1F if splashing is likely.
Hand protection: Wear nitrile or neoprene gloves. Exact choice of glove depends on specific risk assessments.
Body protection: As necessary to prevent contact.
Respiratory protection: Use in a well ventilated area. Avoid breathing vapour or spray. Wear a respirator if necessary.
Other protection: N/A
Personal protective equipment:

Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: N/A

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	A clear to slightly hazy blue liquid
Boiling point:	>100°C (>212°F)
Vapour pressure:	Not available
Density @ 20°C	1.02 – 1.15 g/mL
Solubility in water:	Soluble
Reactivity in water/air:	Not reactive
Incompatibility (materials to avoid):	None known
pH:	7.0 – 9.5
Flash point:	Non flammable

SECTION 10: STABILITY AND REACTIVITY

This material is stable under normal conditions of use and non-reactive. According to the GHS the solution is classified as Reproductive category 1B, may damage fertility or the unborn child. The solution diluted in-use is not classified as hazardous.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicology of these solutions have not been performed as a whole. According to the GHS the solution is not classified as hazardous.

None of the ingredients are listed in the IARC list of carcinogens.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity study of this preparation is not available; however, all the ingredients in this product are readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local/regional regulations. Dispose of via sewerage only ensuring the concentrated formulation does not enter waterways.

SECTION 14: TRANSPORT INFORMATION

The product is not classified as dangerous goods.

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. Aeris Multienzyme HVAC coil cleaner does not contain any substance listed in table 1 of Singapore Hazardous Substances list of National Environment Agency or excluded.

SECTION 16: OTHER INFORMATION

GHS Hazard statements on ingredients:

H360:	May damage fertility or the unborn child
H315:	Causes skin irritation
H318:	Causes serious eye damage
H334:	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335:	May cause respiratory irritation

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"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: 14/11/2023

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