

SAFETY DATA SHEET

DATE OF ISSUE: 15 Jan 2023

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Identification of the Substance : ET 109**Product Name** : Evaporator Treatment**Product Family** : Water Treatment**Product Description** : Aqueous solution of an anionic acrylic polymer.**Supplier** : Goldcrest International Singapore Pte Ltd
38 Tech Park Crescent
Singapore 638098
Tel: (65) 6862 6006
Fax: (65) 6863 3665
Email: sales@goldcrest.com.sg

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified as hazardous according to the Globally Harmonized System (GHS)
This product may cause slight skin irritation, especially with repeated or prolonged exposure.
This product may cause irritation to the respiratory system, if mists or sprays are inhaled.
This product may cause eye irritation which should cease after removal of the product.
Spilled product is slippery underfoot.

GHS Label elements

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Signal word:

Not classified

Hazard Statements:

None

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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to Globally Harmonized System (GHS)

SECTION 4 - FIRST AID MEASURES

Description of first aid measures

If inhaled

Move to fresh air. Clear any blocked airways. If affected person feels unwell, seek medical advice.

In case of skin contact

Remove contaminated clothing immediately. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

In case of eye contact

Immediately flush eyes with large amounts of water occasionally lifting upper and lower lids for at least 15 minutes. In case of irritation, seek medical attention.

If swallowed

Rinse mouth with water. DO NOT INDUCE VOMITING. Give nothing by mouth in case of unconsciousness or convulsion. Check for breathing and pulse, if present, place in the recovery position and obtain medical attention. If conscious rinse out the mouth with water. Give 1 pint (600 ml) of water to drink immediately and repeated drinks of water at a rate of a cupful (1/3 pint/200 ml) every 10 minutes. Call a physician immediately.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing media

Use foam, dry chemical powder, carbon dioxide (CO₂), water spray/fog.

Special protective equipment for firefighters

As for all fires involving chemicals, chemical protection suit, suitable gloves, boots and self-contained breathing apparatus must be used.

Combustible products

Oxides of carbon

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use suitable protective equipment.

Environmental precautions

Prevent further leakage or spillage. Do not flush into surface water, sanitary sewer or ground water system.

Methods and materials for containment and cleaning up

Contain spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning flush away traces with water. Contain wash water and dispose of in accordance with local regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling

Do not eat, drink or smoke during use. Remove contaminated clothing immediately and launder before re-use. Wash hands before breaks and immediately after handling the product. Avoid formation of sprays or mist.

Storage

Avoid extremes of temperature, especially frost and freezing conditions. Keep at temperatures below 5°C and 40°C. Do not store in mild steel containers. Store the material in tightly sealed containers. Keep in a dry place. Keep in a cool well ventilated place.

Protect from frost. Spilled product is slippery underfoot.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Not tested.

Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined spaces.

Respiratory protection

No personal respiratory protective equipment normally required. In case of mist, spray or aerosol exposure, wear suitable personal respiratory protection.

Hand protection

Wear chemical resistant gloves.

Eye protection

Wear goggles.

Skin and body protection

Wear light weight protective clothing.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (Also refer to Product Specification Sheet)

Information on basic physical and chemical properties

Physical state : Liquid
Color : Clear straw color liquid
Odor : Mild
Boiling point : ~ 100°C
Flash point : Non-flammable
Specific Gravity : 1.060 + 0.02
Evaporation rate : ~ 90%
(Butyl acetate = 1)
Solubility in water : 100% soluble
pH value @ 25°C : 8 - 9
Viscosity @ 25°C : < 50 cp

SECTION 10 – STABILITY AND REACTIVITY

Stability:

The product is stable under normal conditions.

Conditions to avoid:

Extremes of temperature, especially frost and freezing conditions.

Incompatible materials

Reactive chemicals.

Hazardous decomposition products:

Combustion may result in the formation of oxides of carbon.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicity based on the active ingredient

Acute oral toxicity Rat	LD50 > 5000 mg/kg	by analogy to similar products
Acute dermal toxicity	not tested	
Acute inhalation toxicity	not tested	
Acute eye irritation/corrosion	not irritant	Conventional method
Acute dermal irritation/corrosion	not irritant	Conventional method
Acute skin sensitization	not tested	

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SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity based on active ingredient

Acute Toxicity to fish 96 h	LC50 > 100 ppm	By analogy to similar products
Acute toxicity to daphnia	not tested	
Acute toxicity to bacteria	not tested	
Acute toxicity to algae	not tested	
Biodegradability	not tested	

Ecotoxicity Assessment

Not expected to be harmful to the aquatic environment.

SECTION - 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

Transport Classification:

Not classified as hazardous for transport.

SECTION 15 – REGULATORY INFORMATION

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

SECTION 16 - OTHER INFORMATION

The information contained herein relates only to the specific material identified. This information is accurate and reliable on the date of this safety data sheet, but no warranty or representation is made as to the accuracy, reliability or completeness of information. It is offered solely for your consideration, investigation and verification. Before using this product, read all information provided.