

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name:	Tui Hydrangea Blue – Aluminium Sulphate.
Recommended Use:	A product to change the colour of hydrangeas for use in the home garden.
Company Name and Address:	Evergreen Garden Care New Zealand Limited. Truman Lane, Mount Maunganui, New Zealand
Telephone Number:	+64 7 5752160
Emergency Telephone Numbers:	0800 CHEMCALL (0800 243 622) 24 hours 0800 POISON (0800 764 766) National Poisons Centre 111 – New Zealand Fire Service
Date of Preparation:	November 2025

2. HAZARDS IDENTIFICATION:

EPA GHS 7 Hazard Classifications:	Corrosive to metals category 1 Acute oral; toxicity category 4. Skin Irritation category 2 Eye Irritation category 2 Hazardous to the aquatic environment chronic category 2
Signal Word:	Warning.
Hazard Statements:	May be corrosive to metals Harmful if swallowed. Causes skin irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects
Pictogram:	
Precautionary Statements:	Keep out of reach of children and animals. Read product label and safety data sheet carefully and follow all instructions. Keep only in original packaging. Wash hands, face, arms and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, eye and face protection. Avoid unintentional release to the environment.
Response Statements:	If medical advice is needed, have product container or label at hand. Absorb spillage to prevent material damage. IF SWALLOWED. Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: 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. Collect Spillage
Dangerous Goods Classifications:	Not classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMPONENT	PROPORTION	CAS NUMBER
Aluminium Sulphate	<=100%	10043-01-3



4. FIRST AID MEASURES:

For advice, or if poisoning occurs contact a doctor or the National Poisons Centre 0800 POISON (0800 764 766).

Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention.
Ingestion:	IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting. Get medical advice/attention. Never give anything by mouth to an unconscious person.
Eye Contact:	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Centre or doctor/physician for advice.
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.
Notes to Physician:	Treat symptomatically.

5. FIRE FIGHTING MEASURES:

Hazard Type:	Non-combustible. Material itself does not burn.
General Measures:	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Avoid getting water inside containers - The solid may corrode metals in presence of moisture.
Suitable Extinguishing Media:	If material is involved in a fire, use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Precautions for fire fighters and special protective clothing:	Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may provide limited protection.
Hazards from combustion products:	Decomposes on heating, emitting toxic fumes, including Sulphur oxides and Aluminium oxides.
Special Firefighting Instructions:	Prevent fire extinguishing water from contaminating surface water or the ground water system.
Non-Flammables that could contribute unusual hazards to a fire:	Dissolves in water with evolution of heat; Creates acidic solutions.

6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures:	Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering the area. If contamination of sewers or waterways has occurred advise local emergency services. Ensure adequate ventilation. Do not touch or walk through spilled material. Avoid breathing dust and contact with eyes, skin and clothing.
Personal Precautions and Protective Equipment:	Refer to SDS section 7 for handling and precautionary measures. Refer to SDS section 8 for additional information and personal protection equipment.
Environmental Precautions:	Contain - prevent from entering drains, sewers, waterways and/or groundwater.
Methods and Materials for Containment and Clean up:	Sweep up spilled material, avoid creating and breathing in dust when cleaning up, e.g. by wet sweeping, collect and store in properly labelled, sealed containers for safe disposal. If contamination of sewers or waterways has occurred advise local emergency services. Clean contaminated surface thoroughly.



7. HANDLING & STORAGE:

Precautions for safe handling and storage:

Read label and the safety data sheet before opening and using this product.

Handling:

Keep out of reach of children and animals.

Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid generating dust. Avoid breathing dust/spray mist and contact with eyes, skin and clothing. Do not ingest.

Use personal protective equipment as required (see SECTION 8).

Read product label and the safety data sheet carefully before use and follow all instructions.

Keep only in original packaging.

Wash hands, face, arms and exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves, eye and face protection.

Avoid unintentional release to the environment.

Avoid generating dust and do not breathe dust.

Storage:

Store out of reach of children and animals.

Store only in original packaging in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed when not in use. Protect from moisture. Keep away from heat and sources of ignition - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Occupational Exposure Limits:

No WES values are set by Worksafe New Zealand for this substance at this time.

However, Workplace Exposure Standard(s) for particulates not otherwise classified:

Inhalable dust: WES-TWA 10 mg/m³

Respirable dust: WES-TWA 3 mg/m³

Engineering Controls:

Handle in a well-ventilated area, ensuring that the ventilation is adequate to maintain low air concentrations of dust. Minimise generation of airborne dust. If dust is generated use local extraction to control. Avoid inhalation of dust.

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Technical measures and appropriate working operations should be given priority over the use of personal protective equipment

Personal Protective Equipment:

Respiratory protection: Wear respiratory protection under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds), inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. Recommended: Dust mask or respirator with dust filter (refer to AS/NZS 1715 & 1716).

Eye/face protection: Wear appropriate eye protection to prevent eye contact.

Recommended: Goggles or Safety glasses with side-shields; and face shield (when eye/face contact is possible due to splashing or spraying of material).

- Hand protection: Wear protective gloves. Recommended: Appropriate chemical-resistant gloves, e.g. Nitrile rubber.

Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Long sleeved clothing; Chemical resistant apron. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substance handled.

General: Do not eat, drink or smoke when using this product. Remove protective clothing and wash contaminated clothing before reuse. Wash hands, face, arms and exposed skin thoroughly after using this product and before meals and after work.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance:	White to brownish powder or granules, flake.
Odour:	Odourless.
pH:	>3 (1% sol. @ 27°C).
Bulk Density (kg/m³):	920 kg/m ³ (powder).
Melting Point:	770°C (decomposes).
Boiling Point:	Not available.
Freezing Point:	Not available.
Flash Point:	Not available.
Decomposition Temperature:	770°C.
Water Solubility:	Soluble in water (87g/100cc) 27°C.
Specific Gravity:	Not available
Vapour Pressure:	Not available
Additional characteristics:	HYGROSCOPIC - Absorbs moisture/water from surrounding air.

10. STABILITY and REACTIVITY:

General Information:	Releases water of crystallization when heated. Aqueous solutions of ALUMINUM SULFATE are acidic. The solid may corrode metals in presence of moisture.
Chemical Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Avoid generating dust. Avoid exposure to air/moisture.
Incompatible materials:	Incompatible/reactive with strong bases, chlorites, Hypochlorites, carbides, water, metals. Attacks many metals in the presence of water!
Hazardous decomposition products:	Decomposes on heating, emitting toxic and corrosive fumes, including Sulphur oxides and Aluminium oxides.
Hazardous Polymerisation:	Hazardous polymerisation does not occur.
Hazardous Reactions:	Not available.

11. TOXICOLOGICAL INFORMATION:

Potential Health Effects: This section includes possible adverse effects, which could occur if the product is not handled in the recommended manner.

Eye Contact:	Causes serious eye irritation [NICNAS assessment Aluminium sulphates (single and double salts).
Skin Contact:	Causes skin irritation. Slight irritation (Rabbit) [OECD Guideline 404]
Ingestion:	Harmful if swallowed.
Carcinogenicity:	The available data do not support classification as a carcinogen [NICNAS].
Reproductive Toxicity:	Neurodevelopmental effects have been observed in rats and mice at doses of 103–330 mg Al/kg b.w./day, equivalent to 652-2090 mg Aluminium sulphate.
Germ Cell Mutagenicity:	The weight of evidence does not support classification for genotoxicity [NICNAS].
STOT Single Exposure:	The substance or mixture is not classified as specific target organ toxicant, single exposure. Inhalation of dust in high concentration may cause irritation of respiratory system.
STOT Repeat Exposure:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure. Results from human and animal studies suggest that the respiratory tract, particularly the lung, is a sensitive target of airborne aluminium toxicity (soluble and insoluble forms). The lung effects observed in humans and animals are suggestive of dust overload. In addition, neurotoxicity is a well-documented effect of aluminium in orally exposed mice and rats. Although the neurotoxicity of aluminium has not been established in humans with normal renal function, the available data establish that the human nervous system is susceptible to aluminium toxicity [NICNAS].
Aspiration Toxicity:	Aspiration toxicity: Based on available data the classification criteria are not met.

**12. ECOLOGICAL INFORMATION:**

Ecotoxicity:	This product is toxic to aquatic life with long-lasting effects, avoid unintended release into the environment, streams, and waterways. Toxicity to fish: LC ₅₀ , Pimephales promelas (fathead minnow): 36.1 mg/l (96 hours).
Persistence and degradability:	No information available.
Bioaccumulation:	No information available.
Mobility in Soil:	No information available.
Other adverse effects:	No information available.

13. DISPOSAL CONSIDERATIONS:

Disposal methods:	Dispose of this product by using in accordance with the product label directions or at an approved landfill. DO NOT flush to surface water or sanitary sewer system. Dispose of packaging safely with domestic rubbish or through the soft plastics recycling scheme. If wastes and/or packaging cannot be disposed of according to the product label directions or instructions above, disposal must be in accordance with your local area regulatory authorities following all applicable regional, national and local laws and regulations.
--------------------------	--

14. TRANSPORT INFORMATION:

Not classified as a Dangerous Good for Transport.

15. REGULATORY INFORMATION:

EPA New Zealand Approval Code:	HSR002491 - Additives Process Chemicals and Raw Materials (Corrosive) Group Standard 2020.
---------------------------------------	--

16. OTHER INFORMATION:

Date of preparation of SDS:	November 2025.
Abbreviations in SDS:	EPA: The Environmental Protection Authority of New Zealand. LC₅₀: Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. WES: Workplace exposure standard set by Worksafe New Zealand.

DISCLAIMER:

This product must be used strictly as directed. To the maximum extent permitted by law Evergreen Garden Care New Zealand Limited, its officers, employees, agents, distributors and retailers shall have no liability to any purchaser or user of this product, or any other person, for any loss, damage or injury (including personal injury) arising out of the use or storage of this product otherwise than in accordance with the directions for use and storage.

----- End of SDS -----