



SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: Tui Moss Control for Lawns.

Recommended Use: A product to control moss in home lawns.

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: Acute oral; toxicity category 4.
Skin Irritation category 2
Eye Irritation category 2
Hazardous to the aquatic environment chronic category 3
Hazardous to terrestrial vertebrates

Signal Word: Warning.

Hazard Statements: Harmful if swallowed.
Causes skin irritation
Causes serious eye irritation
Harmful to aquatic life with long lasting effects
Harmful to Terrestrial Vertebrates

Pictogram:



Precautionary Statements: Keep out of reach of children and animals.
Read product label and safety data sheet carefully before use and follow all instructions.
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.
Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.
Do not apply directly into or onto water.

Response Statements: If medical advice is needed, have product container or label at hand.
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.

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
Iron Sulphate Heptahydrate	<=100%	7782-63-0



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. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Ingestion:	IF SWALLOWED: Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Call a Poison Centre or doctor/physician for 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. If eye irritation persists, get medical advice/attention.
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. Symptoms may be delayed for several hours.

5. FIRE FIGHTING MEASURES:

General Measures:	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
Flammability Conditions:	Non-combustible. Material itself does not burn.
Suitable Extinguishing Media:	If material is involved in a fire, use dry chemical, Carbon dioxide (CO ₂), foam or water spray for extinction. Use extinguishing media appropriate to surrounding fire conditions.
Fire and Explosion Hazard:	Decomposes on heating, emitting toxic fumes.
Hazardous Products of Combustion:	Fire or heat may produce irritating, toxic and/or corrosive fumes, including oxides of Sulphur and Iron
Special Fire Fighting Instructions:	Contain runoff from fire control or dilution water - Runoff may pollute waterways.
Personal protective Equipment:	Wear positive pressure self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may provide limited protection.

6. ACCIDENTAL RELEASE MEASURES:

General Response Procedure:	Ensure adequate ventilation. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.
Containment and clean up:	Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud. Collect material (sweep or vacuum up) and place into suitable, properly labelled containers for disposal (see SECTION 13).
Decontamination:	Wash area down with excess water.
Environmental Precautions:	Prevent from entering drains, sewers, waterways and/or groundwater.
Evacuation Criteria:	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
Personal Precautions and Protective Equipment:	Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Refer to SDS section 7 for handling and precautionary measures. Refer to SDS section 8 for additional information and personal protection equipment.



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/aerosols. Avoid breathing dust/aerosols and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8).
Avoid generating dust and do not breathe dust.
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.
Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.
Do not apply directly into or onto water.
- Storage:** Store out of reach of children and animals.
Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed when not in use - check regularly for spills. Avoid physical damages. Avoid exposure to air and moisture (hygroscopic). Keep away from incompatible materials (see SECTION 10).
- Container:** Keep in the original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

- Exposure Limits:** No specific exposure standards are available for this product.
For Iron salts, soluble (as Fe):
New Zealand Workplace Exposure Standards: TWA = 1 mg/m³.
- Biological Limits:** No information available.
- 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.
A system of local and/or general exhaust is recommended to keep employee exposures as low as possible and below recommended exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
- Personal Protective Equipment:** **Respiratory protection:** In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate filter respirator (refer to AS/NZS 1715 & 1716).
Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side shields or chemical goggles.
Hand protection: Wear protective gloves. Recommended: Impervious gloves, e.g. Nitrile rubber.
Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes; Complete suit protecting against chemicals.
- Special Hazards Precautions:** Do not use this product if coated with brownish-yellow basic ferric sulphate.
- Work Hygienic Practices:** Do not eat, drink or smoke when using this product. Wash hands, face, arms and exposed skin thoroughly after using this product and before smoking, eating, drinking or using the toilet. Remove protective clothing and wash contaminated clothing and other protective equipment before storage or re-use.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance:	Grey to Green or Brown (glaucous) crystals or powder.
Odour:	Odourless.
pH:	3 - 5 (10% solution).
Melting Point:	64°C.
Boiling Point:	Not available.
Freezing Point:	Not available.
Flash Point:	Not available.
Decomposition Temperature:	Not available.
Reactions That Release Gases or Vapours:	Decomposes on heating, emitting toxic fumes, including oxides of Sulphur and Iron.
Water Solubility:	Soluble in water.
Specific Gravity:	1.898 (Water = 1)
Vapour Pressure:	Not available.
Properties That May Initiate or Contribute to Fire Intensity:	Non-combustible; Material does not burn.

10. STABILITY and REACTIVITY:

General Information:	Reacts in moist air to form ferric sulphate.
Chemical Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Avoid generating dust. Avoid exposure to air and moisture (hygroscopic).
Incompatible materials:	Incompatible/reactive with oxidising agents, alkalis, soluble carbonates.
Hazardous decomposition products:	Decomposes on heating, emitting toxic fumes, including oxides of Sulphur and Iron.
Hazardous Polymerisation:	Hazardous polymerisation will not occur.

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.
Skin Contact:	Causes skin irritation.
Ingestion:	Harmful if swallowed; may cause nausea, vomiting, diarrhoea and gastrointestinal irritation. Ingestion of large amounts may cause epigastric pain, vomiting blood, circulatory failure (symptoms may be delayed). Acute toxicity (Oral): - LD ₅₀ , Rat: 300 - 2,000 mg/kg b.w. [ECHA]. - LD ₅₀ , Rat: 132 - 881 mg Fe/kg [OECD 432; Supplier's SDS].
Carcinogenicity:	No evidence of carcinogenic properties.
Reproductive Toxicity:	No information available.
Germ Cell Mutagenicity:	No evidence of mutagenic or teratogenic effects.
STOT Single Exposure:	Breathing dust may cause respiratory tract irritation, coughing, shortness of breath.
STOT Repeat Exposure:	No experimental or epidemiological sufficient evidence for specific target organ toxicity (repeated exposure). Chronic ferric sulphate poisoning may damage blood vessels. Chronic exposure may cause liver effects. Prolonged exposure of the eyes may cause discoloration.
Aspiration Toxicity:	No information available.

**12. ECOLOGICAL INFORMATION:**

Ecotoxicity:	This product is harmful to aquatic life with long-lasting effects and harmful to terrestrial vertebrates, avoid unintended release into the environment, streams, and waterways. Aquatic Toxicity: LC ₅₀ , Fish (<i>Poecilia reticulata</i>): 925 mg/l (96 h) [IUCLID; Supplier's SDS]. EC ₅₀ , Crustacea (<i>Daphnia magna</i>): 152 mg/l (48 h) [IUCLID; Supplier's SDS].
Persistence and degradability:	No information available.
Mobility in Soil:	No information available.
Environmental Fate:	Do not allow undiluted product or large quantities to penetrate into groundwater, water bodies or sewage system.
Bioaccumulation:	Does not bioaccumulate or bio magnify.
Environmental Impact:	No data 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.
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14. TRANSPORT INFORMATION:

Not classified as a Dangerous Good for Transport.

15. REGULATORY INFORMATION:

EPA New Zealand Approval Code:	HSR000526
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16. OTHER INFORMATION:

Date of preparation of SDS:	November 2025.
Abbreviations in SDS:	EPA: The Environmental Protection Authority of New Zealand. LC₅₀: LC stands for lethal concentration. LC ₅₀ is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours. LD₅₀: LD stands for Lethal Dose. LD ₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals. EC₅₀: EC stands for Effective Concentration. EC ₅₀ is a to indicate the concentration of a substance in the environment (e.g., water) at which a specific adverse effect occurs in 50% of a tested population. pH: A measurement of how acidic or alkaline a material is using a scale of 1 -14. pH 1 is strongly acidic, pH 14 is strongly alkaline. WES: Workplace exposure standard set by Worksafe New Zealand. WES-TWA: Time weighted average workplace exposure standard set by EPA or 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.