

Section 1 - Identification of The Material and Supplier**LawnPride Australia Pty Ltd**
PO BOX 1364
Beenleigh QLD 4207**Phone: +61 7 3382 7187**
www.lawnpride.com.au

Chemical nature: Water solution of plant food, activator and catalyst

Trade Name: **LawnPride TraceMaxx**

Product Use: Liquid fertiliser, for the correction and prevention of plant nutrient deficiencies

Creation Date: **July, 2020**

This version issued: **July, 2020** and is valid for 5 years from this date.

Poisons Information Centre: Phone 13 1126 from anywhere in Australia

Section 2 - Hazards Identification**Statement of Hazardous Nature**

This product is classified as hazardous under GHS / WHS

SUSMP Classification: None allocated.**ADG Classification:** None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.**UN Number:** None allocated**GHS Signal word: WARNING****PREVENTION**

P264 Wash hands, arms, and face thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P280 Wear safety glasses and or face shield .

**RESPONSE**

P301+312 IF SWALLOWED: Call a poison centre or doctor if you feel unwell

P301+330+331 IF SWALLOWED: Rinse mouth. Do not induce vomiting

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

P337+313 If eye irritation persists: Get medical advice / attention

STORAGE

P405 Store locked up

DISPOSAL

P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

Emergency Overview**Physical Description & Colour:** Brown liquid.**Odour:** Mild odour.**Major Health Hazards:** no significant risk factors have been found for this product.**Section 3 - Composition/Information on Ingredients**

Ingredients	CAS No	Conc,%	
Water	732-18-5	>30 - <60	not set
Ferrous iron	7720-78-7	>10	
Zinc compound	7733-02-0	<10	not set
Manganese compound	7785-87-7	<10	
Boric compound	10043-35-3	<1	
Copper compound	7785-98-7	<10	
Molybdate compound	7631-95-0	<10	

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

SAFETY DATA SHEET

Issued by: LawnPride Australia Pty Ltd Phone: +61 7 3382 7187

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: Avoid breathing mist, spray or vapour. If inhaled, remove to fresh air. Employ artificial respiration if indicated. Seek medical attention.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for several minutes. Seek medical advice if irritation persists.

Eye Contact: Immediately wash in and around the eye area with water for several minutes. Eyelids to be held apart. Check for contact lenses, remove if easy to do so. Continue rinsing. Seek medical attention.

Ingestion: Rinse mouth with water. Sip a glass of water if victim is conscious. Do not induce vomiting unless directed to do so by medical authority. Never give anything by the mouth to an unconscious patient. Seek medical advice.

Have the product container or label with you when calling the Poison Information Centre or a doctor or going for treatment.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be irritating if inhaled.

Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental release: Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Prevent against physical damage. Wash hands after handling this material. Good housekeeping, splash and dust (when product dries) prevention procedures should be followed to minimize exposure and accumulation. Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Avoid contact with eyes, skin and clothing. Do not inhale product mist, spray or fumes. Your supplier can advise you on safe handling, please contact the supplier.

Storage: Store in a cool, dry, well-ventilated area. Keep containers tightly closed if not in use. Inspect regularly for hazards such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Do not store with food stuffs. Use good housekeeping practices to prevent accumulation of product and follow sound cleaning techniques that will prevent contamination. Dry indoor storage is recommended. Provide appropriate ventilation and store containers such as to prevent any accidental damage.

SAFETY DATA SHEET

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.



SWA Exposure Limits

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Green to brown liquid
Odour:	Mild odour
Boiling Point:	>100°C
Freezing/Melting Point:	No data
Volatiles:	Water component
Vapour Pressure:	No data
Vapour Density:	No data
Specific Gravity:	1.31-1.34
Water Solubility:	Completely soluble in water.
pH:	1.5-2.5
Volatility:	No data
Odour Threshold:	No data
Evaporation Rate:	As for water.
Coeff Oil/water Distribution:	No data
Autoignition temp:	Not applicable - does not burn.

Section 10 - Stability and Reactivity

Reactivity: Reactions with strong reducing agents such as metal hydrides or alkaline metals, may release ammonia.

Conditions to Avoid: Excessive heat, do not store near heat or flames or temperatures below 5 degrees C.

Incompatibilities: acids, bases, strong oxidising agents.

Hazardous Products of Decomposition: May evolve metal oxides if heated to decomposition, see chapter 3.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Irritant to skin (pH 1.5 – 2.5) Contact may result in irritation, redness in sensitive individuals

Eye Contact:

Eye irritant (pH 1.5 – 2.5). Contact may result in irritation, lacrimation, pain and redness.

Ingestion:

Oral LD50 >2000 mg/kg by acute toxicity estimation

Carcinogen Status: No data

Information on toxicological effects by ingredients where available

Water: Oral LD50 >90000 mg/kg in the Rat

Manganese sulphate: Oral LD50 2150 mg/kg in the Rat

Zinc sulphate: Oral LD50 1710 mg/kg in the Rat

Ferrous sulphate: Oral LD50 319 mg/kg in the Rat

Boric acid: Oral LD50 2660 mg/kg in the Rat

Section 12 - Ecological Information

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems. Expected to not be an environmental hazard.

Section 13 - Disposal Considerations

Disposal: Containers should be emptied as completely as practical before disposal. If possible, recycle product and containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

Section 14 - Transport Information

Not a dangerous good as per ADG Code

UN Number: This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

General Information: Not a dangerous good

Poisons schedule: S5

Hazardous Chemical Information System (HCIS): not listed in HCIS

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)

R-Phrase

Risk Phrase

SUSMP

Standard for the Uniform Scheduling of Medicines & Poisons

UN Number

United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)