

## Section 1 - Identification of the Material and Supplier

**Product Name:** 2 Spec MSR Fertiliser Refine 25-1-10 + 2%

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Agricultural fertiliser.

**Details of Manufacturer or Importer:**

Lawn Addicts Australia Pty Ltd

Cnr Douro and Victoria St

North Geelong Victoria

3218

**Phone:** 0484 296668

**Emergency telephone number:** National Poisons Information Centre: 13 11 26

**Issue Date:** July 2024 and is valid for 5 years from this date.

## Section 2 - Hazards Identification

**Hazardous Nature:**

**Not Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.**

**Not Classified as Dangerous Goods according to the Australian Code for Transport of Dangerous Goods by Road and Rail (7<sup>th</sup> edition), IATA and IMDG/IMSBC.**

**GHS Signal word: None**

**Hazard Statements:**

Not Hazardous – No criteria found.

**Precautionary Statements:**

P102: Keep out of reach of children.

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P402+P403+P404: Store in a dry place. Store in a well-ventilated place. Store in closed container.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 3 - Composition/Information on Ingredients

**Chemical Characterisation: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 57-13-6	Urea	50-60%
CAS: 7778-80-5	Sulphate of Potash	20-30%
CAS: 7783-28-0	Diammonium phosphate	5-10%
CAS: 7782-63-0	Ferrous sulphate heptahydrate	5-10%

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

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## Section 4 - First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

**Skin Contact:** In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if irritation occurs. Wash contaminated clothing and shoes before reuse.

**Eye Contact:** In case of eye contact, rinse with water for several minutes, including under eyelids. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give 1-2 glasses of water to drink in small sips. Never give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.

### Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestions: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

## Section 5 - Fire Fighting Measures

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

### Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of nitrogen, sulphur compounds and various unidentified, potentially toxic fumes.

Product is not flammable.

Containers close to the fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Minimise run-off from firefighting entering drains or water courses.

### Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## Section 6 - Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Avoid generating dust.

**Environmental precautions:** In the event of a major spill, prevent spillage from entering drains or water courses.

### Methods and Materials for Containment and Cleaning Up:

Pick up large pieces and clean up the small and dusts with a vacuum or by a wet sweeping technique. Do not use compressed air.

## Section 7 - Handling and Storage

**Precautions for Safe Handling:** Ensure adequate ventilation, especially in confined spaces. Use of safe work practices are recommended to avoid eye or contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before re-use or storage. Provide eyewash fountains and safety showers in close proximity to points of exposure.

**Conditions for Safe Storage:** Store in a cool, dry and well-ventilated area, out of direct sunlight. Keep container tightly closed when not in use; partly used bags should be closed well. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents, acids, hypochlorites and alkalis.

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## Section 8 - Exposure Controls and Personal Protection

### Exposure Standards:

No specific exposure standards are available for this product.

<b>Exposure Standards:</b>	
<b>Nuisance dust</b>	
WES	TWA: 10 mg/m <sup>3</sup>

### Personal Protection:

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

Respiratory equipment: **AS/NZS 1715 and 1716**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS/NZS 1337**.

**Engineering Controls:** Natural ventilation should be adequate under normal use conditions.

**Respiratory Protection:** Respiratory protection is not usually required under normal use conditions. Where an inhalation risk exists, wear dust mask or approved particulate respirator (filter type P). See above AS/NZS standards for more information.

### Skin Protection:

Skin protection is not required under normal use conditions.

For prolonged or repeated contact, use protective gloves. See above AS/NZS standards for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See above AS/NZS standards for more information.

**Eye and Face Protection:** Eye and face protectors against dust. See above AS/NZS standards for more information.

## Section 9 - Physical and Chemical Properties:

### Appearance:

<b>Form:</b>	Solid granule.
<b>Colour:</b>	Light brown.
<b>Odour:</b>	Slight odour.
<b>Odour Threshold:</b>	No information available.
<b>pH-Value:</b>	3 – 6 (1%w/w).
<b>Freezing Point/Melting Point:</b>	No information available.
<b>Initial Boiling Point/Boiling Range:</b>	No information available.
<b>Flash point:</b>	No information available.
<b>Flammability (solid, gas):</b>	Product is not flammable.
<b>Autoignition temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available.
<b>Upper:</b>	No information available.
<b>Vapour Pressure at 20°C:</b>	No information available.
<b>Relative Density at 20°C:</b>	approx. 1.2g/cm <sup>3</sup>
<b>Vapour Density:</b>	No information available.
<b>Solubility in Water:</b>	Slightly soluble.
<b>Evaporation Rate:</b>	No information available.
<b>Partition Coefficient (n-octanol/water):</b>	No information available.

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## Section 10 - Stability and Reactivity

**Possibility of Hazardous Reactions:** No dangerous reactions known under conditions of normal use.

**Chemical Stability:** Stable at ambient temperatures and under normal conditions of storage and use.

**Conditions to Avoid:** Avoid generating dust. Do not contaminate. Keep away from heat, hot surfaces, open flames, and other ignition sources.

**Incompatibilities:** Strong oxidising agents, acids, hypochlorites and alkalis.

**Hazardous Decomposition Products:** Oxides of nitrogen, sulphur compounds and various unidentified, potentially toxic fumes.

**Hazardous Polymerisation:** No information available.

## Section 11 - Toxicological Information

### Toxicity:

#### Acute Health Effects

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Ingestions:** May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

**Skin Corrosion/Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage/Irritation:** Based on classification principles, the classification criteria are not met.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

#### Carcinogenicity:

Based on classification principles, the classification criteria are not met.

This product does NOT contain any IARC listed chemicals.

#### Reproductive Toxicity:

Based on classification principles, the classification criteria are not met

#### Specific Target Organ Toxicity (STOT) – Single Exposure:

Based on classification principles, the classification criteria are not met.

#### Specific Target Organ Toxicity (STOT) – Repeated Exposure:

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic health Effects:** No information available.

**Existing Conditions Aggravated by Exposure:** No information available.

## Section 12 - Ecological Information

### Ecotoxicity:

**Aquatic toxicity:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and Degradability:** No data available on finished product.

**Bioaccumulative Potential:** No data available on finished product.

**Mobility in soil:** No data available on finished product.

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**Other adverse effects:** No further relevant information available.

## Section 13 - Disposal Considerations

**Disposal Methods and Containers:**

Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste management Authority for more information.

## Section 14 - Transport Information

**UN Number** Not regulated

**Proper Shipping Name** Not regulated

**Dangerous Goods Class** Not regulated

**Packing Group:** Not regulated

## Section 15 - Regulatory Information

**Australian Inventory of Industrial Chemicals:**

All components are on the inventory or in compliance with the inventory.

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) – Poison Schedule:**

Not a scheduled poison.

## Section 16 - Other Information

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

**Acronyms:**

<b>ADG</b>	Australian Dangerous Goods	<b>LC50</b>	Lethal concentration, 50 percent
<b>IMDG</b>	International Maritime Dangerous Good	<b>LD50</b>	Lethal dose, 50 percent
<b>IATA</b>	International Air Transport Authority	<b>STOT</b>	Specific Target Organ Toxicity
<b>GHS</b>	Globally Harmonised System of Classification and Labelling of Chemicals	<b>NES:</b>	National Exposure Standard (Safe Works Australia – Workplace Exposure Standards for Airborne Contaminants)
<b>IARC</b>	International Agency for Research on Cancer	<b>TWA</b>	Time Weighted Average
<b>CAS number</b>	Chemical Abstracts Service Registry Number	<b>UN Number</b>	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” (July 2020) and GHS Revision 7

Lawn Addicts Australia Pty Ltd July 2024

### SAFETY DATA SHEET