

# SAFETY DATA SHEET

## METAFOL® SC

Date of Issue: 9 August 2022

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

**Chemical name of active ingredient(s):** Metamitron

**Recommended use:** Selective Fungicide

**Supplier:** UPL New Zealand Limited  
PO Box 51584, Pakuranga  
Auckland  
Phone 0800 100 325  
[www.upl-ltd.com/nz](http://www.upl-ltd.com/nz)  
0800 CHEM CALL (0800 243 622) 24 Hours

**Emergency telephone number:**



### 2. HAZARDS IDENTIFICATION

**Hazard Classification:**

**Required identification Details:**

**Signal Word: WARNING**

This product MUST NOT be used for any purpose or in any manner contrary to the controls and conditions of this registration. Any person purchasing, handling or disposing of this product must be suitably qualified.

Keep out of reach of children.

Read label before use.

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

Harmful if swallowed.

May cause damage to organs through prolonged or repeated exposure.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

Hazardous to soil organisms.

Hazardous to terrestrial vertebrates.

Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation Information on hazardous ingredients**

Common name	CAS No	%
Metamitron	41394-05-2	70
Other non-hazardous		up to 100

#### 4. FIRST-AID MEASURES

**Description of necessary first aid measures:**

**General information:**

**First-aid measures**

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.

**Inhalation:**

Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

**Ingestion:**

Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.

**Skin contact:**

Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance. If a large area is affected seek medical assistance.

**Eye contact:**

Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Remove contact lenses, if present and easy to do. Seek medical assistance even if there are no immediate symptoms.

**Notes to a physician:**

Treat symptomatically.

**First Aid Facilities**

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

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#### 5. FIRE-FIGHTING MEASURES

**HAZCHEM Code:**

2Z

**Type of Hazard:**

**Extinguishing media:**

Water fog, foam, carbon dioxide or dry chemical.

**Hazardous thermal**

Nitrogen oxides, carbon dioxide or carbon monoxide gases may form.

**(de)composition products:**

**Specific methods:**

Keep up wind. Do not allow washings to reach sewage or effluent systems.

**Protection of fire-fighters:**

When handling wear eye protection, waterproof gloves, boots, hat and trousers. Do not allow contaminated run-off to enter drains.

**Other Information:**

Location Certificate: Not applicable  
Hazardous Atmosphere Zone: Not applicable  
Number of Fire Extinguishers: Not applicable

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

For appropriate personal protective equipment (PPE), refer Section 8.

**Environmental precautions:**

Prevent from entering drains, waterways or sewers. This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

**Methods for cleaning up:**

Wear protective clothing. Clear area of unprotected personnel. Contain liquid spill and absorb with sand, soil or absorbent granules. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.

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## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid skin and eye contact and inhalation of spray mist. QUALIFIED HANDLER: Any person purchasing, handling or disposing of this product must be suitably qualified. RECORD KEEPING: Records of use as described in the NZS8409 Management of Agrichemicals must be kept. BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. When using do not eat, drink or smoke. The maximum application rate of this substance is 6.0L of METAFOL SC/ha (4200g of metamitron/ha). The maximum application frequency is once per calendar year. Application is limited to ground based low boom application using coarse to medium sized droplets. Smaller sized droplets or other application methods are not permitted.
<b>Storage:</b>	Keep out of reach of children. Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertilisers and seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100L of METAFOL SC require secondary containment and are subject to signage, and more than 100L require emergency response plans.
<b>Other information:</b>	Always read the label and any attached leaflet before use. Aggregate Storage Volume Thresholds: When stored with substances of the same hazard classification the aggregate quantity must be considered. For full details refer to the current NZS8409 Management of Agrichemicals and the HSNO Regulations.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

#### Exposure Standards:

No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.

### Engineering measures

#### Exposure control measures:

Use in a well-ventilated area only. Local exhaust ventilation may be required in confined spaces.

### Personal Protective Equipment

#### Detail specifications for equipment:

When handling wear eye protection, waterproof gloves, boots, hat and trousers.  
Gloves must be worn when entering an area that has had this Substance

#### Respiratory system:

#### Skin and body:

#### Hands:

#### Eyes:

#### General hygiene:

Do not eat, drink or smoke while using.  
Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State: Colour, Odour.</b>	White liquid
<b>pH:</b>	6.5 (1% in water)

<b>Vapour Pressure:</b>	
<b>Boiling Point:</b>	
<b>Flash Point:</b>	>93°C
<b>Freezing/melting point:</b>	
<b>Solubility:</b>	
<b>Specific Gravity/Density:</b>	1.2
<b>Autoignition:</b>	
<b>Information for flammable material:</b>	Non-Flammable.
<b>Viscosity:</b>	
<b>Octanol/water partition coefficient:</b>	
<b>Explosive Properties:</b>	There is no risk of an explosion from this product under normal circumstances if it is involved in a fire
<b>Oxidation Properties:</b>	Non oxidizing

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of handling and storage.
<b>Conditions to avoid:</b>	Strong acids/alkalis, Oxidising agents. Protect this product from light.
<b>Materials to avoid:</b>	
<b>Hazardous Decomposition Products:</b>	
<b>Hazardous polymerization:</b>	

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity – Oral:</b>	LD <sub>50</sub> (rat) = 2000 mg/kg for METAFOL SC.
<b>Acute toxicity - Dermal:</b>	LD <sub>50</sub> (rat) = >2000mg/kg for METAFOL SC.
<b>Acute toxicity – Inhalation:</b>	LC <sub>50</sub> (4hr) for rats 3.17 mg/L air for metamitron.
<b>Skin irritation:</b>	Not a skin irritant.
<b>Eye irritation:</b>	Not an eye irritant.
<b>Sensitization:</b>	Not a skin sensitizer.

### Chronic toxicity

	May cause target organ damage from repeated oral exposure at high doses.
<b>Mutagenicity:</b>	Not classified
<b>Reproduction toxicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified

## 12. ECOLOGICAL INFORMATION

<b>Aquatic</b>	Fish: LC <sub>50</sub> (96h) = 443mg/L for metamitron. Daphnia: LC <sub>50</sub> (48h) = 101 mg/L for metamitron.
<b>Algae</b>	EC <sub>50</sub> (72h) = 0.22mg/L for metamitron. LC <sub>50</sub> (48h) = 101 mg/L for metamitron.
<b>Bioaccumulation:</b>	Metamitron is not bioaccumulative.
<b>Degradability:</b>	
<b>Other Information:</b>	The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in the substance leaching into ground water. Do not apply when heavy rainfall is expected.

## 13. DISPOSAL CONSIDERATIONS

<b>Methods of disposal:</b>	Ideally, the product should be used for its intended purpose.
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Triple rinse containers; add rinsate to the spray tank. Then offer the container for recycling through the Agrecovery programme, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.

**Empty container precautions:** Avoid contamination of any water supply with chemical or empty bag.  
Ensure bag is completely empty by adding residue to spray tank.

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#### 14. TRANSPORT INFORMATION - International transport regulations

**UN number:** UN3082  
**Hazchem** 2Z  
**Class or Division:** 9  
**Subsidiary Class:**  
**Packing Group:** III  
**Marine Pollutant:** Yes  
**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (metamitron 70%)

**INTERNATIONAL AIR  
TRANSPORT ASSOCIATION  
(IATA):**

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#### 15. REGULATORY INFORMATION

**ACVM Registered Number:** P009245  
**HSNO Approval Code:** HSR101186  
Any person purchasing, handling or disposing of this product must be suitably qualified.

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#### 16. OTHER INFORMATION

**Additional information:**  
**Original Issue Date:**  
**Revision Date:** August 2022  
**Replaces:** ES512

***Disclaimer EXCLUSION OF LIABILITY: PLEASE READ***

*This Safety Data Sheet is based on the most recent information available. To the extent permitted by law, users of this information accept that neither the manufacturer, UPL New Zealand Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these information.*