



# SAFETY DATA SHEET

## PROMETRYNE 500 SC

Date of Issue: 17 March 2025

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

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

**Recommended use:** Herbicide

**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)

**Emergency telephone number:** 0800 CHEM CALL (0800 243 622) 24 Hours

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:**



#### WARNING

**GHS Classification:**

GHS Classification and Category	Hazard Code	Hazard Statement
Specific target organ toxicity - repeated exposure Cat. 2	H373	May cause damage to the liver, kidneys and bone marrow through repeated oral exposure at high doses.
Aquatic Acute Cat 1	H400	Very toxic to aquatic life.
Aquatic Chronic Cat 1	H410	Very toxic to aquatic life with long lasting effects.

Hazardous to soil organisms.

**Required identification Details:**

#### PRECAUTIONARY STATEMENTS PREVENTION

P102 - Keep out of the reach of children.  
P103 - Read label carefully before use.  
P260 - Do not breathe spray.  
P273 - Avoid release to the environment.

#### RESPONSE

P314 - Get medical advice/attention if you feel unwell.

P391 - Collect spillage.

#### **STORAGE**

Store in original container tightly closed and in a dry, cool, well-ventilated area. **DISPOSAL**

P501 - Dispose of this product in accordance with local regulations.

**PRODUCT DISPOSAL** Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery® (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

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### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### **Substance/preparation Information on hazardous ingredients**

<b>Common name</b>	<b>CAS No</b>	<b>%</b>
Prometryne	7287-19-6	50

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### **4. FIRST-AID MEASURES**

#### **Description of necessary first aid measures:**

##### **Effects and symptoms**

##### **First-aid measures**

Exposure to Prometryne may cause irritation of skin, eyes, nose or throat. Over-exposure effects may include nausea, vomiting, dizziness, headache, drowsiness, dermatitis. Based on a test with guinea pigs, this product is not a skin sensitizer. Target organs for Prometryne are the liver, kidneys and bone marrow. Target organs for the other components are the blood, kidneys, central nervous system, skin and eyes.

##### **Inhalation:**

Remove victim to fresh air. Apply artificial respiration if necessary.

##### **Ingestion:**

Repeatedly administer medicinal charcoal in large amounts of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Call a doctor or poison centre immediately.

##### **Skin contact:**

Wash with soap and water, including hair and under fingernails. Remove contaminated clothing and wash before re-use.

##### **Eye contact:**

Immediately rinse eyes with a large amount of running water, rinsing entire surface of eyes and eyelids. Contact physician or poison information centre immediately.

##### **Notes to a physician:**

Treat symptomatically. There is no specific antidote. If a large amount has been ingested and emesis has been inadequate, lavage stomach. Give a suitable saline laxative and supportive therapy.

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### **5. FIRE-FIGHTING MEASURES**

##### **Extinguishing media:**

Water, fog, foam, dry chemical, CO<sub>2</sub>.

##### **Hazardous thermal**

##### **(de)composition products:**

May include carbon monoxide, hydrogen cyanide, acetonitrile, oxides of nitrogen and sulphur

##### **HAZCHEM Code:**

22

##### **Protection of fire-fighters:**

Wear full protective clothing and self-contained breathing

apparatus. Do not breath smoke or gases.

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Wear appropriate protective clothing. Avoid contact with skin, eyes, and do not breathe mist or spray. Keep out of reach of children and animals. Do not allow eating drinking or smoking in areas where there is a possibility of exposure to this material. Always wash thoroughly after handling. Clean protective equipment.
<b>Environmental precautions:</b>	As this product is a herbicide, it should not be allowed to contact any vegetation other than that for which it is intended.
<b>Methods for cleaning up:</b>	Prevent further release and prevent spill from spreading. For small spills, cover the spill with an absorbent material such as pet litter or sawdust. Sweep up the material and place in a resealable container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material. Sweep up and place in the chemical container. Seal container, label and handle in an approved manner. Flush the spill area with water to remove any residue. Do not allow wash to contaminate water supplies. Check local spill reporting regulations.

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## 7. HANDLING AND STORAGE

<b>Handling:</b>	Wear chemical safety glasses with side shields or goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, a head covering and an approved pesticide respirator.
<b>Storage:</b>	Store in original containers, in a well-ventilated, secure area, set aside for herbicides. Do not store seeds, food and beverages or animal feed in the same area. Protect from sun and humidity. Refer to Haznote for storage quantities.
<b>Packaging materials:</b>	HDPE Plastic containers

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Workplace Exposure Guidelines**

<b>Exposure Standards:</b>	Not established.
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### **Engineering measures**

<b>Exposure control measures:</b>	Not established.
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### **Personal Protective Equipment**

<b>Detail specifications for equipment:</b>	Suitable for use with pesticides.
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<b>Respiratory system:</b>	Wear an approved respirator.
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<b>Skin and body:</b>	To avoid skin contact, rubber boots, long-sleeved shirt and long pants, and a head covering.
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<b>Hands:</b>	Wear rubber gloves.
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<b>Eyes:</b>	Wear chemical safety glasses with side shields or goggles.
<b>General hygiene:</b>	Wash face and hands before meals and after work. Wash protective clothing separately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, colour, etc.):</b>	White to beige
<b>Odour:</b>	Odourless liquid.
<b>Odour threshold:</b>	NA
<b>pH:</b>	Neutral
<b>Melting point/freezing point:</b>	118 – 120 °C.
<b>Initial boiling point and boiling range:</b>	300°C @ 100 kPa
<b>Flash point:</b>	NA
<b>Flammability (solid, gas):</b>	NA
<b>Upper/lower flammability or explosive limits:</b>	NA
<b>Vapour pressure:</b>	0.165 mPa (25°C) Active ingredient
<b>Vapour density:</b>	NA
<b>Relative density:</b>	1.1 @20°C
<b>Solubility(ies):</b>	33mg/L (25°C)
<b>Partition coefficient: n-octanol/water:</b>	K <sub>ow</sub> log P= 3.1 (25°C, Active ingredient unionised)
<b>Auto-ignition temperature:</b>	NA
<b>Decomposition temperature:</b>	NA
<b>Kinematic viscosity:</b>	NA
<b>Particle characteristics:</b>	NA
<b>Other Data:</b>	
<b>Explosive Properties:</b>	Not explosive.
<b>Oxidation Properties:</b>	Not an oxidiser.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Conditions to avoid:</b>	UV radiation
<b>Materials to avoid:</b>	None specific.
<b>Hazardous Decomposition Products:</b>	In fire may include carbon monoxide, hydrogen cyanide, acetonitrile, oxides of nitrogen and sulphur.
<b>Hazardous polymerization:</b>	Will not occur.
<b>Hazardous reactions:</b>	None known.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity – Oral:</b>	LD <sub>50</sub> = 5,233 mg/kg (Rat)
<b>Acute toxicity - Dermal:</b>	LD <sub>50</sub> >2000mg/kg (Rabbit)
<b>Acute toxicity – Inhalation:</b>	LC <sub>50</sub> = 5.2 mg/litre (Rat)
<b>Skin irritation:</b>	Not an irritant.
<b>Eye irritation:</b>	Not an irritant.
<b>Respiratory or skin sensitization:</b>	Not a sensitizer.
<b>Germ cell mutagenicity:</b>	Not a known mutagen.
<b>Carcinogenicity:</b>	Not a known carcinogen.
<b>Reproductive toxicity:</b>	Not a known reproductive toxin.
<b>Aspiration hazard:</b>	NA
<b>STOT-single exposure:</b>	NA

**STOT-repeated exposure:**

May cause damage to the liver, kidneys and bone marrow through repeated oral exposure at high doses


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**12. ECOLOGICAL INFORMATION**

<b>Ecology – general:</b>	Very toxic to aquatic life with long lasting effects
<b>Hazardous to the aquatic environment, short-term (acute):</b> <b>Classification procedure - Hazardous to the aquatic environment, short-term (acute):</b>	Hazardous to the aquatic environment. LC <sub>50</sub> = 8.0 mg/L, 96 hr (Bluegill sunfish). 5.5mg/litre, 96hr (Rainbow trout). EC 50 = 12.66 mg/L 48hr ( <i>Daphnia magna</i> ) EC 50 = 0.023 mg/L, 72hr (Algae)
<b>Hazardous to the aquatic environment, long-term (chronic):</b> <b>Classification procedure - Hazardous to the aquatic environment, long-term (chronic):</b>	Very toxic to aquatic life with long lasting effects. NA
<b>Persistence and degradability:</b>	NA
<b>Toxicity to terrestrial vertebrates:</b> <b>Toxicity to terrestrial invertebrates:</b>	Non toxic to birds LD <sub>50</sub> > 2,000 mg/kg (Chicken and pigeon) Hazardous to soil organisms. Very toxic to earthworms. Non-toxic bees : LD <sub>50</sub> > 130µg/bee.
<b>Bioaccumulative potential:</b>	Low bioaccumulation potential BCF < 100
<b>Partition coefficient n-octanol/water (Log K<sub>ow</sub>):</b> <b>Mobility in soil:</b> <b>Other adverse effects:</b>	K <sub>ow</sub> log P= 3.1 (25°C, active ingredient unionised) NA NA

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**13. DISPOSAL CONSIDERATIONS**

<b>Methods of disposal:</b>	Dispose of product containers, waste containers, and unwanted product according to local environmental regulations. Consult provincial environment ministry for advice on waste disposal. Waste shipments must be securely packed, labelled and documented. Do not re-use product containers.
 <b>Empty container:</b>	Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery® (0800 247 326, <a href="http://www.agrecovery.co.nz">www.agrecovery.co.nz</a> ). Otherwise crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose. Avoid contamination of any water supply with chemical or empty container.

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

<b>UN number:</b>	UN3082
<b>Class or Division:</b>	9
<b>Subsidiary Class:</b>	NA
<b>Packing Group:</b>	III
<b>Marine Pollutant:</b>	No
<b>Proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Contains 50% prometryne).

## 15. REGULATORY INFORMATION

ACVM Registered Number:	P005654
HSNO Approval Code:	HSR000558

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## 16. OTHER INFORMATION

Additional information:	<b>Original Issue Date:</b> 19 December 2005 <b>Revision Date:</b> 17 March 2025 <b>Replaces:</b> ES587
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**Disclaimer EXCLUSION OF LIABILITY: PLEASE READ**

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