

# Ametryn 500 SC

## SAFETY DATA SHEET

### 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Ametryn 500 SC  
**Pesticide Classification:** Herbicide  
**UN No.:** 3082

**Supplier**

Enviro Bio-Chem (Pty) Ltd  
Co. Reg. No.: 2013/194774/07  
44 Kerk Street, Lichtenburg  
North West, South Africa 2740

**Registration Holder**

Erintrade CC t/a RT Chemicals  
Co. Reg. No.: CK2001/036403/23  
44 Kerk Street, Lichtenburg  
North West, South Africa 2740

**Telephone:** +27 87 231 7261  
**Fax:** 086 541 7948  
**Website:** [www.envirobiochem.co.za](http://www.envirobiochem.co.za)

**24 Hr Emergency Number:** Bateleur: +27 83 123 3911

**In case of Poisoning:**

Poison Information Centre: +27 82 446 8946  
Tygerberg Hospital: (+27 21) 931 6129  
Poison Emergency Enquiries: (+27 21) 689 5227

**Common Name:** Ametryn 500g/l SC  
**Chemical Name:** *N*<sup>2</sup>-ethyl-*N*<sup>4</sup>-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine (IUPAC)  
**Empirical Formula:** C<sub>9</sub>H<sub>17</sub>N<sub>5</sub>S  
**CAS No.:** 834-12-8  
**RSA Reg. No.:** L8219 Act/Wet No. 36 of/van 1947

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>Concentration</u>
Ametryn	≥ 50%
Inert Ingredients	≤ 50%

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### 3. HAZARD IDENTIFICATION

**Hazard Class:** WHO Class II -Moderately hazardous.

**Main Hazard:** Harmful if swallowed in large amounts.

**Flammability:** If involved in a fire, the product will not burn.

**Chemical Hazard:** Fire may produce irritating and/or toxic vapours, mists or other products of combustion (carbon dioxide, carbon monoxide and under some circumstances, oxides of nitrogen).

**Biological Hazard:** No specific biological hazard to mention.

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### 4. FIRST AID MEASURES AND PRECAUTIONS

If poisoning is suspected, do not wait for symptoms to develop. Contact a physician, the nearest hospital, or the nearest Poison Control Centre.

**Symptoms of Human Poisoning:** No signs and symptoms of poisoning are known or expected in humans.

#### First Aid Measures:

**Skin contact:** Remove contaminated clothing and launder before re-use. Wash affected areas thoroughly with soap and water. If irritation persists, seek medical advice.

**Eye contact:** If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice.

**Ingestion:** Rinse mouth thoroughly with water. Give a glass of water. If poisoning occurs, contact a doctor or Poisons Information Centre.

**Inhalation:** Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.

**Advice to Physician:** Treat symptomatically.

**Antidote:** No information available.

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### 5. FIRE FIGHTING MEASURES

**Flammability:** If involved in a fire, the product will not burn.

**Extinguishing Agents:** Choose extinguishing media to suit the burning material.

**Firefighting:** Wear full protective clothing and self-contained breathing apparatus. Evacuate non-essential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

**Special Hazards:** Fire may produce irritating and/or toxic vapours, mists or other products of combustion (carbon dioxide, carbon monoxide and under some circumstances, oxides of nitrogen).

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### 6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

**Personal Precautions:** Wear protective clothing. Avoid breathing vapours or spray drift.

**Environmental Precautions:** This product is an herbicide and spills can damage crops, pastures and desirable vegetation.

**Spill:** Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. Place damaged containers in recovery bins (if available) and dispose of as outline in Section 13 of this document.

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## 7. HANDLING AND STORAGE REQUIREMENTS

**Handling:** Do not spray in high winds. Do not contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers.

**Storage:** Store at temperature not exceeding 30 °C. Avoid contact with skin, eyes and clothing. Store in original sealed containers, in a well-ventilated and dry storehouse. Keep away from direct sunlight, food, seed, animals, children and uniformed persons. Do not leave spray solution in spray tanks for long periods. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, smoking, or using the toilet.

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Acceptable Daily Intake (ADI):** No data available.

**Engineering Controls:** Use outdoors in a well-ventilated area. Comply with occupational safety, environmental, fire and other applicable regulations. Wear suitable personal protective equipment.

### Personal Protective Equipment:

**Clothing:** Long-sleeved shirt, long pants, shoes plus socks, protective waterproof (impermeable) gloves. Employee must wear appropriate protective clothing and equipment to prevent prolonged skin contact with this product. Clothing soaked with product solution should be promptly removed and laundered before re-use.

**Gloves:** Elbow-length PVC gloves.

**Eye Protection:** Wear basic eye protection.

**Respirator:** Avoid inhaling fumes or spray drift. During periods of abnormal exposure to heavy spray or mist, use a NIOSH approved mist respirator.

**Other Protection:** Do not eat, drink or smoke while handling this product. Prevent contamination of food, feeds, drinking water and eating utensils. After using this product wash hands and face before eating. Take extreme care to avoid drift. Wash accurately (preferably a shower) after work shift. Wash hands during breaks and at the end of the work with soap and water.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Grey-white milkiness liquid without obvious deposition.

**pH:** 6 - 9

**Dispersibility:** Not available.

**Suspensibility:** 90% min

**Density:** 1.10 g/cm<sup>3</sup>

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## 10. STABILITY AND REACTIVITY

**Stability:** Stable in neutral, sub-acid or alkalescent medium. Half-life period in soil is 70 – 120 days.

**Conditions to Avoid:** None to specifically mention.

**Incompatible Materials:** Hydrolysis in strong acid or alkali mixtures.

**Decomposition Products:** None to specifically mention.

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## 11. TOXICOLOGICAL INFORMATION

**Acute Oral LD<sub>50</sub> (rat):** 1 160 mg/kg (formulation). The concentrate is harmful if swallowed. Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.

**Acute Dermal LD<sub>50</sub> (rabbit):** >2 000 mg/kg (formulation).

**Acute Inhalation LC<sub>50</sub> (rat, 4 hr):** >5 170 mg/ℓ air (technical). May cause irritation to mucous membranes.

**Skin and Eye Irritation (rabbit):** May irritate the skin. The concentrate may cause irritation of the eyes.

**Sensitization (guinea pig):** May cause skin sensitization.

**Chronic Dietary Study:** Animal studies indicate that consuming large amounts of ametryn over a long period of time, results in liver damage.

**Carcinogenicity:** There is not adequate data to determine if ametryn can increase the risk of cancer in humans.

**Mutagenicity:** Not mutagenic.

**Reproductive Hazard:** No information available.

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## 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity Fish LC<sub>50</sub> (96 hr):** 5 mg/l (rainbow trout); 19 mg/l (bluegill sunfish). Moderately toxic to fish.

**Aquatic Toxicity Daphnia LC<sub>50</sub> (96 hr):** 28 mg/l (daphnia magna).

**Aquatic Toxicity Algae EC<sub>50</sub> (5 days):** No information available.

**Avian Toxicity LC<sub>50</sub> (8 days):** 23 000 mg/kg (mallard duck). Practically non-toxic to birds.

**Bee Toxicity LD<sub>50</sub>:** Non-toxic to bees.

**Biodegradability:** Soil dissipation rate is slow and dependent on application rate (DT<sub>50</sub> is 70 to 120 days).

**Bio-accumulation:** No information available.

**Mobility:** Column leaching studies indicate ametryn does not leach significantly.

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## 13. DISPOSAL CONSIDERATION

**Pesticide Disposal:** Dispose of waste product as hazardous waste via a licensed disposal contractor to an approved landfill. Do not discharge into drains or sewers. Do not contaminate crops, grazing, rivers or dams with chemical or used container. Waste resulting from the use of this product that cannot be re-used or reprocessed should be disposed of in a landfill approved for pesticide disposal in accordance with applicable local procedures. Comply with any local legislation applying to waste disposal.

**Package Product Wastes:** Triple rinse containers, and then offer the container for recycling/reconditioning or puncture the top, sides and bottom and dispose of in landfill in accordance with local regulations. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

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## 14. TRANSPORT INFORMATION

**UN No.:** 3082

**Hazard Class:** 9

**Packing Group:** III

**Proper Shipping Name:** Environmental Hazardous Substance; Liquid; N.O.S (contains Ametryn)

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## 15. REGULATORY INFORMATION

**Risk Phrases:** R22- Harmful if swallowed.

R36/38- Irritation to eyes and skin.

R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrases:** S1/2- Keep locked up and out of the reach of children.

**National Legislation:** This product is registered under Act 36 of 1947 of the Republic of South Africa. It is a violation of South African law to use this product in any manner inconsistent with its approved labelling. Read and follow all label directions.

## 16. OTHER INFORMATION

**Note:** Read and understand all the information on the product label before using the product.

**Disclaimer:** The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

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