

# Safety Data Sheet (SDS) Ametryn 500 SC

According to UN GHS 8th Ed  
Revision Date: 30/05/2022

First print date: 01/09/2019  
Version: 1.1

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

### Product identifier:

Identification as on the label/Trade name: Ametryn 500 SC

Common name: Ametryn 500g/L SC

### Relevant identification uses of the substance and uses advised against:

Identified uses: Herbicide

Uses advised against: Use only as directed.

### Details of the supplier of the Safety Data Sheet:

Enviro Bio-Chem (Pty) Ltd, 44 Kerk Street,  
Lichtenburg, North West, South Africa, 2740

### Details of the Registration Holder:

Erintrade cc t/a RT Chemicals, 44 Kerk Street,  
Lichtenburg, North West, South Africa, 2740

### Contact Details:

Telephone: +27 87 231 7261

Fax: 086 541 7948

Website: www.envirobiochem.co.za

### Emergency telephone numbers:

24 Hour Emergency Number: Bateleur: +27 83 123 3911

Griffon Poison Information Centre: +27 82 446 8946

Poisons Information Helpline: 0861 555 777

Tygerberg Hospital: +27 21 931 6129

## SECTION 2. HAZARD IDENTIFICATION

### Classification of the substances or mixture

The mixture is classified according to SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]

Hazard classes/Hazard categories	Hazard statement
Acute Toxicity (Oral) (Category 4)	H302
Acute Toxicity (Inhalation) (Category 4)	H332
Aquatic Toxicity Acute (Category 1)	H400
Aquatic Toxicity Chronic (Category 1)	H410

For full text of H statements see section 16

### The most important adverse effects

The most important adverse physiochemical effects: None

The most important adverse human health effects: May be harmful if swallowed or inhaled.

### Label elements



### Hazard pictograms

Signal Word: Warning

## Safety Data Sheet (SDS) Ametryn 500 SC

 According to UN GHS 8th Ed  
 Revision Date: 30/05/2022

First print date: 01/09/2019

Version: 1.1

**Hazard Statements:**

H302	Harmful if swallowed
H332	Harmful if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

**Precautionary Statements:**

P102	Keep out of reach of children
P103	Read label before use
P264	Wash hands, forearms, and face thoroughly after handling
P270	Do not eat, drink, or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P273	Avoid release to the environment.
P391	Collect spillage
P501	Dispose of contents/container in accordance with local/regional/ national regulations

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**
**Substance/Mixture:** Mixture

Ingredients:

Substance name (IUPAC)	CAS Number.	Concentration % y weight	Classification EC1272/2008
Ametryn	834-12-8	88.3%	Acute Toxicity (Category 4) H302 Aquatic Acute (Category 1) H400 Aquatic Chronic (Category 1) H410
Other ingredients (non-hazardous) to 100%			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4. FIRST AID MEASURES**
**Description of first aid measures:**

**In case of inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if you feel unwell.

**In case of skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention immediately.

**In case of eye contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**In case of ingestion:** Immediately transfer patient to nearest hospital or medical centre, warning by telephone of the estimated arrival time so that the start of treatment is not delayed. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt, or waistband.

**Most important symptoms and effects, both acute and delayed:**

## Safety Data Sheet (SDS) Ametryn 500 SC

According to UN GHS 8th Ed  
Revision Date: 30/05/2022

First print date: 01/09/2019  
Version: 1.1

**Ingestion:** Harmful if swallowed

**Indication of any immediate medical attention and special treatment needed:**

Treat symptomatically.

## SECTION 5. FIRE FIGHTING MEASURES

**Extinguisher media:**

**Suitable** extinguisher media: Foam. Dry powder. Carbon dioxide. Water spray.

**Small Fire:** Extinguish small fires with carbon dioxide, dry powder, or alcohol-resistant foam.

**Large Fire:** Water spray can be used for larger fires or cooling of unaffected stock but avoid the accumulation of polluted run-off from the site.

**Unsuitable** extinguishing media: Do not use high volume water jet, due to contamination risk.

**Special hazards arising from the mixture:**

Hazardous decomposition products in case of fire: Refer to Section 10: Stability and Reactivity.

**Advice for fire-fighters:**

Avoid inhaling hazardous vapours. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Use an approved/certified respirator or equivalent.

Contain fire control agents for later disposal according to Section 13.

Water can be used to cool unaffected containers.

## SECTION 6. ACCIDENTAL RELEASE

**Personal precautions, protective equipment, and emergency procedures:**

**For non-emergency personnel:** Evacuate all non-emergency personnel.

**For emergency responders:** Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Use an approved/certified respirator or equivalent. Avoid contact with eyes and skin. Do not breathe in fumes. Refer to section 8 for recommended personal protective equipment. Evacuate unnecessary personnel.

**Environmental precautions:**

Stop leak if without risk. Do not touch spilled material. Use a light water spray to reduce vapours.

Prevent entry into drains, watercourses, or confined areas; dike if needed.

If the product contaminates public water, inform appropriate authorities immediately in accordance with local regulations.

Dispose in a safe manner in accordance with local/national regulations.

**Methods for containment and cleaning up:**

**For small spills** Contain spilled material if possible. Collect in suitable and properly labelled containers. Absorb with materials such as: sand, earth, vermiculite, or diatomaceous earth

**For large spills** Prevent entry into drains, watercourses, or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in well labelled container for disposal according to local regulations.

**Reference to other sections:**

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

# Safety Data Sheet (SDS) Ametryn 500 SC

According to UN GHS 8th Ed  
Revision Date: 30/05/2022

First print date: 01/09/2019  
Version: 1.1

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling:

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing.

**Protective measures:** Observe directions on label and instructions for use.

**Advice on general occupational hygiene:** Do not eat drink or smoke when handling this product.

### Conditions for safe storage, including incompatibilities:

Store product in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use.

### Specific end uses:

Use as directed. Use original container.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters:

**Occupational exposure limits (OEL):** No information available.

**Biological exposure indices (BEI):** No information available.

**Additional exposure limits under the conditions of use:** No information available.

### Exposure control:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

**Appropriate engineering controls:** Provide exhaust ventilation or other engineering controls. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Hygiene measures:** Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection:** Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort wear chemical goggles.

**Hand protection:** Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

**Body protection:** Wear appropriate chemical resistant clothing to prevent skin contact with the product. Coveralls must be discarded after use.

**Respiratory protection:** Respiratory protection is not required for normal use and handling. During periods of abnormal exposure to heavy spray or mist, use a NIOSH approved dust/mist respirator. Limitations of respirator use specified by the approving agency and the manufacturer must be observed.

**Environmental exposure controls:** Prevent product from entry into sewers and water courses.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Liquid
Colour	Grey/ white milky
Odour	No data available

## Safety Data Sheet (SDS) Ametryn 500 SC

 According to UN GHS 8th Ed  
 Revision Date: 30/05/2022

First print date: 01/09/2019

Version: 1.1

Odour threshold	No data available
pH	6-9
Melting point / freezing point (°C)	No data available
Boiling point (°C)	No data available
Flash point (°C)	No data available
Evaporation rate	No data available
Flammability	No data available
Upper /lower flammability limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density (25°C)	1.10
Water solubility (g/l) at 20°C	No data available
Partition coefficient : n-octanol/water	No data available
Auto-ignition temperature (°C)	No data available
Decomposition temperature (°C)	No data available
Viscosity, dynamic (mPa s)	No data available
Explosive properties	No data available mixture in air.
Oxidising properties	No data available
Explosive limits	No data available

**SECTION 10. STABILTY AND REACTIVITY**
**Reactivity:**

The product is stable under normal conditions.

**Chemical stability:**

Stable under normal storage conditions for 2 years. Avoid excessive heat sources.

**Possibility of hazardous reactions:**

No information available.

**Conditions to avoid:**

Avoid excessive heat sources.

**Incompatible materials:**

Strong oxidizing agents

**Hazardous decomposition products:**

Combustion or thermal decomposition may generate toxic and irritant vapours mists or other products of combustion (Carbon dioxide, carbon monoxide and under some circumstances, oxides of nitrogen).

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Toxicokinetics, metabolism and distribution: No data available**

**Information on toxicological effects:**
**Assessment of acute toxicity:**

The product has not been tested. The data reported is for the main ingredients in the mixture.

<b>Ametryn CAS No. 834-12-8</b>	
<b>Acute toxicity:</b>	
Acute Oral LD50 (rat – male and female)	1626 mg/kg
Acute Dermal LD50 (rabbits):	8160 mg/kg
Acute Inhalation LC50 - 4 h (rat – male and female)	>2.22 mg/l

## Safety Data Sheet (SDS) Ametryn 500 SC

According to UN GHS 8th Ed  
Revision Date: 30/05/2022

First print date: 01/09/2019  
Version: 1.1

Skin irritation/ corrosion (rabbits)	No skin irritation - 4 h
Eye damage / irritation (rabbits)	No eye irritation
Respiratory or skin sensitization - Maximisation Test - Guinea pig	Does not cause skin sensitisation.
Germ cell mutagenicity Test Type: Ames test Test Stem: S. typhimurium Result: Negative	
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
Reproductive toxicity	No data available
Specific Target Organ Toxicity STOT single exposure	No data available
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	No data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### SECTION 12. ECOLOGICAL INFORMATION

<b>Ametryn CAS No. 834-12-8</b>	
<b>Toxicity</b>	
Birds Acute oral LC <sub>50</sub> 5days Dietary LC <sub>50</sub> 8 days	>2250 mg/kg Bobwhite quail >5620 mg/kg diet Mallard ducks and Bobwhite quail
Aquatic Toxicity Fish LC <sub>50</sub> (96 hr) Aquatic Toxicity Daphnia EC <sub>50</sub> (48 hr) Toxicity to algae – static test EC <sub>50</sub> (72h) Toxicity to bacteria- Growth inhibition EC50 (3h) Toxicity to bees Worms LC <sub>50</sub>	16 mg/l Pimephales promelas (fathead minnow) 28 mg/l Daphnia magna (Water flea) 0.0032mg/l - Desmodesmus subspicatus (green algae) >1000 mg/l Non-to bees >1000 mg/kg
<b>Persistence and degradability</b> Aerobic – exposure time (28d)	5.89% - Not readily biodegradable
<b>Bioaccumulation potential</b>	
Bioaccumulation (38 d)	Lepomis macrochirus (Bluegill) Bioconcentration factor (BCF) : 61
<b>Mobility in Soil</b>	Loss from soil is principally by microbial degradation.
<b>Result of PBT and vPvB assessment</b>	No data available
<b>Other adverse effects</b>	Very toxic to aquatic life with long lasting effects.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods:

#### Product:

Keep out of drains, sewers, ditches, and waterways. Refer to container label for disposal information. Treat as hazardous waste and dispose of in accordance with local/ regional/ national/ international regulations.

#### Container:

# Safety Data Sheet (SDS) Ametryn 500 SC

According to UN GHS 8th Ed  
Revision Date: 30/05/2022

First print date: 01/09/2019  
Version: 1.1

Refer to container label for disposal information. Triple or pressure rinse empty containers. Pour rinse water into spray tank. Dispose of as hazardous waste. Do not contaminate water when disposing of rinse water. Dispose of using an approved waste disposal service provider. Follow all local/ regional/ national/ international regulations.

## SECTION 14. TRANSPORT INFORMATION

UN Number	3082
UN proper shipping name	Environmental Hazardous Substance; Liquid; N.O.S (Ametryn 500 g/l)
Transport hazard class	9
Packaging group	III
Marine pollutant	Yes

## SECTION 15. REGULATORY INFORMATION

### Safety, health, and environmental regulations/legislation for the mixture:

**Relevant information regarding authorization:** Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021.UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

### Relevant information regarding restrictions:

**EU regulations:** Regulation EC 1272/2008 [EU-GHS/CLP]

### Other National regulations:

National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management Waste Act 59 of 2008.

Act 36 of 1947 of the Republic of South Africa. This product is registered under 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

**Chemical Safety Assessment carried out?** No

## SECTION 16. OTHER INFORMATION

### Indication of changes:

Classification according to SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]  
GHS aligned – all sections

### Relevant H statements (number and full text):

Aquatic acute toxicity (Category 1): Very toxic to aquatic life

Aquatic chronic toxicity (Category 1): Very toxic to aquatic life with long lasting effects

### Training instructions:

Use as indicated on the label, special training may be required for application.

### Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. 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.