

# Sharda International Africa (Pty) Ltd

P.O. Box 82021, Southdale, 2135, South Africa.

Tel: 031 764 3011, Tel: 087 822 2397

Email: rsa.regn@shardaintl.com, Website: <http://www.shardaintl.com>

(Co. Reg. No. 2010/002268/07)

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## SAFETY DATA SHEET

### “SHARDA AMETRYN 500 SC”

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#### 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Name of Product:** “SHARDA AMETRYN 500 SC”

**Active Ingredient:** Ametryn

**Product Use:** Herbicides

**Registration holder:** Sharda International Africa (Pty) Ltd

**Address:** P.O. Box 82021, Southdale, 2135

**Contact Tel. No.:** 031-764-3011

**Poison Centres:** UNITAS Hospital: 0800-111-9900  
Tygerberg Hospital: 021-931-6129  
Netcare 911: 082911

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#### 2. HAZARD IDENTIFICATION (Substance hazard class and category)

**Active Ingredient and Formulation Health Risk:** Harmful if swallowed.

**Inhalation:** Inhalation may cause coughing.

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

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

**Ingestion:** Ingestion may cause nausea, vomiting and stomach ache.

**Environmental Risks:** Toxic to plants and aquatic organisms.

**Other Risks:** Do not contaminate any water body.

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#### 3. COMPOSITION AND INFORMATION ON INGREDIENTS (For each hazardous substance)

**Active Ingredient:** Ametryn

**Chemical Formula:** C<sub>9</sub>H<sub>17</sub>N<sub>5</sub>S

**CAS No.:** [834-12-8]

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UN No.: 3082

**Principal Components:** Ametryn (minimum 95%) 572 g/l

**Components contributing to risk:** Solvent 60.9 g/l  
Wetting Agent 21.8 g/l  
Surfactants 14.4 g/l

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## 4. FIRST AID MEASURES

**Symptoms of Poisoning:** Ametryn is slightly toxic to humans. Symptoms of acute exposure to high dosages include nausea, vomiting, diarrhoea, muscle weakness and salivation.

**Eye contact:** Hold eye open and rinse with clean water for 15-20 minutes. Remove contact lenses (if present) after 5 minutes and continue rinsing the eyes. Get medical attention immediately.

**Skin contact:** Remove contaminated clothing immediately. Wash skin thoroughly with soap and water. Get medical attention.

**Inhalation:** Remove patient to fresh air. Administer symptomatic treatment and obtain medical attention.

**Ingestion:** Drink a glass of water. Do not induce vomiting unless directed by a doctor or poison information centre. Do not give anything by mouth to an unconscious person. Get medical attention.

**Advice to doctors / physician:** Treat symptomatically.

**Antidote:** There is no known antidote.

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## 5. FIRE-FIGHTING MEASURES

**Flash Point:** 89 °C

**Extinguishing Media:** Use dry chemical, foam or CO<sub>2</sub> extinguishing media.

**Fire and Explosion Hazards:** Evacuate non-essential persons from the area to prevent human exposure to fire hazards.

**Hazardous Products of Combustion:** Irritating and possibly toxic gases may be generated by thermal decomposition or combustion.  
Prevent contamination of drains and rivers.

**Fire Fighting Equipment:** Wear full protective clothing (overall, boots, gloves, eye protection) and self-contained breathing equipment.

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## 6. ACCIDENTAL RELEASE MEASURES (Spillage)

**Personal Precautions and Protective Equipment:** Wear full protective clothing (overall, boots, gloves, eye protection).

**Emergency Procedures:** Control the spill at the source.

**Environmental Precautions:** Prevent contamination of drains and rivers.

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**Methods and Materials for Cleaning up:** Control the spill at the source. Contain the spill by making a dyke to prevent further contamination.  
Prevent the spill from contaminating drain and sewage systems and any water body.  
Collect contaminated soil and place in containers for disposal.  
If appropriate, clean the surface area with a hard water detergent.

Refer to Section 13 for disposal of spilled material.

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## 7. HANDLING AND STORAGE

Good industrial practice in housekeeping and personal hygiene should be followed at all times when handling this product. Areas for handling and storage should be well ventilated.

### **Handling:**

Avoid contact with eyes.

Do not eat, drink or smoke while handling this product.

Wash hands and exposed skin thoroughly after handling or contact with this product.

Do not contaminate drains, sewers and water bodies when disposing of equipment rinse water.

Observe all safeguards on the label as to cleaning and destruction of the container.

### **Storage:**

Store at ambient temperature protected from direct sunlight, heat and moisture.

Keep out of reach of children, uninformed persons and animals.

Store away from food, drink, seed and animal feed.

Store only in the original labelled container.

Minimum Shelf Life: 2 years

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### **Personal Protective Clothing**

To reduce personnel exposure to this product, it is recommended to use appropriate personal protective clothing when handling this product.

When handling the concentrate, wear protective clothing (overall, boots, gloves, eye protection).

### **Hygiene Measures:**

Do not eat, drink, smoke or go to the bathroom while handling this product.

Wash face, hands and exposed skin after handling this product.

Wash contaminated clothing after exposure to this product.

**Re-entry Interval:** Do not enter the treated area within 1 after treatment unless wearing protective clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES OF PRODUCT

These are typical data based on tests but may vary from sample to sample. These typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

<b>Appearance, Colour</b>	White liquid
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<b>Form</b>	Liquid
<b>Odour</b>	Mild
<b>pH</b>	7.8
<b>Flash Point</b>	89 °C
<b>Flammability</b>	Not flammable.
<b>Explosive Limits</b>	Not explosive.
<b>Melting Point</b>	85.6 °C
<b>Boiling Point</b>	336 °C (technical)
<b>Density</b>	1.088
<b>Solubility</b>	Water : 230 mg/ℓ
<b>Partition Coefficient</b>	(log Pow)
<b>Viscosity</b>	113 cP
<b>Volatility</b>	Ametryn is of very low volatility
<b>Corrosivity</b>	Ametryn is not corrosive.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable for a minimum of 2 years when stored at ambient temperature away from direct sunlight, heat and moisture.

**Reactivity Hazards:**

**Hazardous Decomposition:**

**Incompatibility:** Acidic conditions.

## 11. TOXICOLOGICAL INFORMATION

This section is intended for use by toxicologists and health professionals.

Data obtained on this and similar products and components are summarised below.

**Acute Oral Toxicity:** Rat, LD50: > 2 000 mg/kg body weight

**Acute Dermal Toxicity:** Rat, LD50: > 2 000 mg/kg body weight

**Skin Irritation/Corrosion:** Rabbit, Non-irritant.

**Eye Irritation/Damage:** Rabbit, Mild irritant.

**Skin Sensitization:** Guinea Pig, Not a skin sensitizer.

**Mutagenicity:** Ametryn is not mutagenic.

**Carcinogenicity:** Ametryn is not carcinogenic.

**Toxicity to Reproduction and/or Fertility:** Ametryn is not genotoxic.

## 12. ECOLOGICAL INFORMATION

This section is intended for use by ecotoxicologists and environmental specialists.

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Data obtained on this and similar products and components are summarised below.

**Aquatic Toxicity, Algae and/or Aquatic Plants:** Ametryn is toxic to algae.

**Aquatic Toxicity:** Ametryn is moderately to highly toxic to fish and aquatic organisms.

**Arthropod Toxicity, Honey bee (*Apis mellifera*):** Ametryn is slightly to non-toxic to bees.

**Avian Toxicity:** Ametryn is slightly to non-toxic to birds.

**Soil Organism Toxicity, Earthworm (*Eisenia foetida*):** Ametryn is slightly to non-toxic.

**Soil Organism Toxicity, Microorganisms:** Ametryn is decomposed by micro-organisms.

**Bioaccumulation:** Ametryn does not bioaccumulate.

**Persistence / Degradability:** Median DT<sub>50</sub> = 51 days

**Mobility in Soil:** Ametryn is adsorbed to clay and organic matter in the soil. Leaching is limited in clay soils and moderate to high in most sandy soils. Dissipation is rapid.

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## 13. DISPOSAL CONSIDERATIONS

### Product

Recycle if appropriate equipment and/or facilities are available.  
Do not burn.  
Dispose of as hazardous industrial waste.  
Keep out of drains, sewers, ditches and water ways.  
Follow all local / regional / national / international regulations.

### Containers

Triple or pressure rinse empty containers.  
Pour rinse water into spray tank; spray on target area.  
Store for collection by approved waste or recycling disposal service.  
Dispose of as non-hazardous industrial waste.  
Do not use containers for any other purpose.  
Follow all local / regional / national / international regulations.

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## 14. TRANSPORT INFORMATION

For safe transport of hazardous substances apply appropriate local codes, classifications and regulations.

**UN No.:** 3082

**UN Shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S. (contains ametryn).

**Land Transport (Road or Rail):** Not Hazardous.

**Sea Transport:** Marine Pollutant.

**Air Transport:** Not allocated.

**Packaging Group:** 9

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## 15. REGULATORY INFORMATION

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RSA: Registration Number L , Act Number 36 of 1947.

RSA Classification: Group II (Yellow, Hazardous)  
[Group III (Blue, Caution) – See formulation toxicology]

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## **16. OTHER INFORMATION**

The information presented is not necessarily exhaustive but is regarded as representative. These data are presented in good faith and are believed to be correct. No representation as to the completeness or accuracy of these data is made. No responsibility for damages of any nature whatsoever resulting from the use of or reliance upon this information will be accepted. In the event of any uncertainty, consult the supplier before use.

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