

Safety Data Sheet (SDS) Cartap 500 SP

According to UN GHS 8th Ed
Revision Date: 07/06/2022

First print date: 01/06/2018
Version: 1.1

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

Product identifier:

Identification as on the label/Trade name: **Cartap 500 SP**

Common name: **Cartap hydrochloride 500 g/kg SP**

Relevant identification uses of the substance and uses advised against:

Identified uses: Insecticide

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:

RT Chemicals (Pty) Ltd, 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 Regulation (EC) No 1272/2008 EU-GHS/CLP

Hazard classes/Hazard categories	Hazard statement
Acute toxicity Oral (Category 4)	H302
Acute toxicity Dermal (Category 4)	H312
Eye Irritation (Category 2)	H310
Aquatic Toxicity Acute (Category 1)	H400
Aquatic Toxicity Chronic (Category 2)	H411

Label elements



Hazard pictograms:

Signal Word: Warning

Hazard Statements:

H302	Harmful if swallowed
H312	Harmful in contact with skin

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H319	Causes serious eye irritation
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
P201	Obtain special instructions before use
P264	Wash hands, forearms, and face thoroughly after handling
P270	Do not eat, drink, or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P363	Wash contaminated clothing before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. /doctor/physician
P301+P330+331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water.
P337+P313	If eye irritation occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P314	Get medical advice/attention 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

Other hazards: No data available

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients:

Substance name (IUPAC)	CAS Number.	Concentration % by weight	Classification EC1272/2008
Cartap hydrochloride	15263-52-2	50%	Acute Toxicity Oral (Category 4) H302 Acute Toxicity Dermal (Category 4) H312 Aquatic Acute (Category 1)H400 Aquatic Chronic (Category 1) H410
Ammonium Chloride	12125-02-9	<50%	Acute Toxicity Oral(Category 4) H302 Eye Irritation (Category 2) H319

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. Treat symptomatically and supportively as and when required.

Seek medical attention immediately.

In case of skin contact: In case of contact, remove contaminated clothing and shoes and immediately flush skin with plenty of water and a nonabrasive soap for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Do not rub the skin. If irritation persists, seek medical advice.

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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: Wash out mouth with water if the patient is alert and conscious. Do NOT induce vomiting. If Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt, or waistband. Obtain medical attention immediately.

Most important symptoms and effects, both acute and delayed:

Inhalation: Hazardous in case of inhalation product is a lung irritant. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.

Ingestions: Harmful if swallowed.

Skin contact: Causes severe skin burns.

Eye contact: Causes serious eye damage

Mutagenic: Suspected of causing genetic defect

Specific Target Organ Toxicity: May cause damage to organs through prolonged or repeated exposure

Indication of any immediate medical attention and special treatment needed:

Administer cysteine as antidote. Consider washing of the stomach with injections of water. Treat symptomatically and Supportively.

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:

Fire Hazard: Flammable liquid and vapour.

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:

Personal precautions: Do not inhale dust. Avoid contact with eyes and skin. Ventilate area of spill or leak.

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. 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.

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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. Cover spill with materials such as: lime, damp sand, vermiculite, or diatomaceous earth. Collect in suitable container and label with contents for disposal.

For large spills : Prevent entry into drains, watercourses, or confined areas.

Contain and collect spillage with a suitable, damp absorbent material e.g. sand, earth, vermiculite or diatomaceous earth. Sweep up and collect in a suitable container and label with contents 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.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with eyes and skin and inhalation of dust. Use with adequate ventilation. 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 in the original container in a cool, dry, ventilated, locked place out of direct sunlight and out of the reach of children and animals. Store away from food, feed, drink, and tobacco products. Store where streams and underground water cannot be accidentally contaminated. Store away from incompatible products. Keep the container closed when not in use.

Specific end uses:

Use as directed. Use original container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: No data 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: It is essential to provide adequate ventilation. Provide explosion proof local exhaust ventilation or other suitable engineering controls. Ensure that eye wash 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.

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Eye/face protection: Avoid contact with eyes. Wear a full-face shield when handling the product or spraying. The use of safety glasses with side shields (or goggles) are recommended if a face shield is not used.

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: Full body covering, shoes and socks. Appropriate impervious clothing is required to prevent skin contact with the product.

Respiratory protection: Work only in a well-ventilated area. An approved full-face air-purifying respirator suitable for protection from mists of pesticides is required. Limitations of respirator use specified by the approving agency and the manufacturer must be observed. For emergency conditions, use an approved positive pressure self-contained breathing apparatus

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	Fine powder
Colour	White
Odour	Slight aromatic odour
Odour threshold	No data available
pH	3-6
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	Non flammable
Upper /lower flammability limits	No data available
Vapour pressure 20°C	No data available
Vapour density	No data available
Relative density (25°C)	No data available
Water solubility (g/l) at 20°C	Soluble in water
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 Explosive limits, vol% in air (Xylene)	Non explosive
Oxidising properties	No data available
Explosive limits	No data available
Corrosiveness	Corrosive to iron

SECTION 10. STABILITY AND REACTIVITY

Reactivity:

No data available.

Chemical stability:

Stable for up to 2 years under normal warehouse and field conditions.

Possibility of hazardous reactions:

No information available.

Conditions to avoid:

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Avoid direct sunlight, sources of heat.

Incompatible materials:

Compatible with most commonly used agricultural pesticides, except with alkaline preparations.

Hazardous decomposition products:

Product is hydrolysed in neutral or alkaline solutions.

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.

Cartap hydrochloride CAS No. 15263-52-2	
Acute toxicity:	
Acute Oral LD50 (rat)	250 mg/kg
Acute Dermal LD50 (rat):	1100 mg/kg
Acute Inhalation LC50 - 4 h (rat)	No data available
Skin irritation/ corrosion (rabbits)	Non irritating to skin
Eye damage / irritation (rabbits)	Non irritating to skin
Respiratory or skin sensitization (Guinea pig)	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
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

Ammonium Chloride CAS No. 12125-02-9	
Acute toxicity:	
Acute Oral LD50 (rat)	1410 mg/kg
Acute Dermal LD50 (rat):	>2000 mg/kg
Acute Inhalation LC50 - 4 h (rat)	No data available
Skin irritation/ corrosion (rabbits)	Not a skin irritant
Eye damage / irritation (rabbits)	Eye irritant
Sensitisation: Skin	Not a skin sensitiser
Respiratory	No data available
Germ cell mutagenicity	Negative in the Ames test
Carcinogenicity	No data available
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

Additional Information: The following applies to ammonium salts in general: after swallowing: local irritation symptoms, nausea, vomiting, diarrhea. Systemic effect: after the uptake of very large quantities: drop in blood pressure, collapse, CNS disorders, spasms, narcotic conditions, respiratory paralysis, haemolysis.

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

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SECTION 12. ECOLOGICAL INFORMATION

Cartap hydrochloride CAS No. 15263-52-2	
Toxicity	
Aquatic Toxicity Fish LC ₅₀ (72h)	1.4 mg/l Oryzias latipes
Persistence and degradability	No data available
Bioaccumulation potential	No data available
Mobility in soil	No data available

Ammonium Chloride CAS No. 12125-02-9	
Toxicity	
Aquatic Toxicity Fish LC ₅₀ semi-static test (96 hr)	209 mg/l Cyprinus carpio (Carp)
Aquatic Toxicity Daphnia static EC ₅₀ (48 hr)	101 mg/l Daphnia magna (Water flea)
Toxicity to algae – static test E _r C ₅₀ (5d hr)	1300 mg/l Chlorella vulgaris (Fresh water algae)
Toxicity to bacteria static test EC ₅₀ (0.5h)	1310 mg/l Activated sudge
Persistence and degradability	
Biodegradability	Not applicable
Bioaccumulation potential	No data available
Mobility in Soil	No data available
Result of PBT and vPvB assessment	No data available
Other adverse effects	No data available

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:

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	3077
UN proper shipping name	Environmentally hazardous substance; Solid, N.O.S. (Cartap hydrochloride 500 g/kg).
Transport hazard class	9
Packaging group	III
Marine pollutant	Yes

SECTION 15. REGULATORY INFORMATION
Safety, health, and environmental regulations/legislation for the mixture:

Doc no: I-SDS-8

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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):

H319-Causes serious eye irritation

Acute toxicity oral (Category 4) : Harmful if swallowed

Acute toxicity dermal (Category 4) : Harmful in contact with skin

Eye Irritation (Category 2) : Causes serious eye irritation

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.