

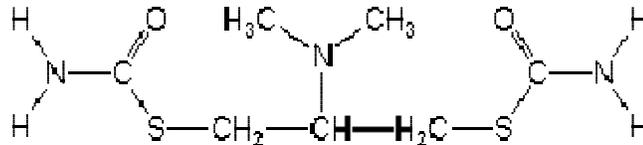
MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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1. Chemical Product Identification

Product Name: Cartap 50% SP
 Molecular Formula: $C_7H_{15}N_3O_2S_2$
 Molecular Weight: 237.35
 Structural Formula:



Chemical Name: S, S'-(2-dimethylaminotrimethylene) bis(thiocarbamate)
 Form: Powder
 Colour: White
 Odour: with a slightl odour
 CAS No.: 15263-52-2; 15263-53-3
 UN No.: 2992

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Cartap	15263-53-3	50.0
Others ingredients		50.

3. Hazards Identification

Symptoms of Acute Exposure: An irritant to eyes. May cause severe skin irritation.

4. First Aid Measures

Skin: Remove contaminated clothes. Rinse and then wash skin with plenty of

water immediately.

Eyes: Rinse with plenty of water for several minutes (remove contact lenses if easily possible) immediately.

Ingestion: If swallowed induce vomiting by tickling the back of throat. Be quiet and call a physician

5. Fire-Fighting Measures

Extinguishing media

To be used: Powder, water spray, foam, carbon dioxide.

Don't use: Not applicable

Particular risk: None

Measures of personal protection: Safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Environmental cautions

EX: Prevent the contamination of the floor and the beds of water.

6. Accidental Release Measures

Personal cautions: Safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Cleaning methods

EX: The empty container may be decontaminated by rinsing two or three times with water and detergent and scrubbing the sides.

Environmental cautions

EX: Prevent the contamination of the floor and the beds of water.

7. Handling And Storage

Handling: Handle the pesticide with gloves and wash the hand after handling. Do not apply to humans, their clothing, or bedding. Do not contaminate food or use on household tanks.

Storage: Store at normal temperatures, away from children, domestic animals, food and feed products, seed and fertilizer.

8. Exposure Controls / Personal Protection

Personal protective equipment

Respiratory protection: Approved respirator

Protective gloves: Rubber gloves

Eye protection: Safety goggles or face shield.

Industrial hygiene: adequate ventilation.

9. Physical And Chemical Properties

Appearance: White powder with a slightly odour;

Melting point: 179-181°C;

Density: Not Applicable



Water solubility: 200g/l (25°C);

Other solubility: insoluble in many organic solvents.

PH value: 2.5-3.4;

Flash point: Not Applicable;

Octanol/water partition coefficient: Not Applicable;

10. Stability And Reactivity

Stability: stable at normal condition.

Incompatibility(Materials to Avoid): Incompatible with alkali;

11. Toxicological Information

Acute oral LD50 : 345mg/kg (male rat)

325mg/kg(female rat)

192mg/kg (mouse)

Acute dermal LD50 : >1000mg/kg (rat and mouse)

Acute inhalation LC50 (1hour) :>4.5mg/L (male rat)

Contact with the skin: Slight irritation (rat);

Contact with the eyes: Slight irritation (rat).

12. Ecological And Ecotoxicological Information

Effects on birds: Cartap is very low toxic to birds.

13. Disposal Considerations

Disposal must be in accordance with applicable local regulations. Remove nonusable solid materials and/or contaminated soil for disposal in an approved and permitted landfill. Do not flush into surface water or sanitary sewer systems.

Spillage disposal: Do not wash away into sewer. Do not let this chemical enter the environment. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place.

14. Transport Information

Not available

15. Regulatory Information



Not Applicable

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.