

MATERIAL SAFETY DATA SHEET

PRODUCT : Captan 50 % WP

PRODUCT DESIGNATION : Fungicide

Section 1. Product & Company Identification

Common Name : Captan
Grade : Formulation
Active Ingredient : Captan
Chemical Name of Active Ingredient (IUPAC) : 2-[(trichloromethyl)sulfanyl]-3a,4,7,7atetrahydro-1H-isoindole-1,3(2H)-dione
Chemical Family of A. I. : Fungicide
Molecular Formula of A. I. : C₉H₈Cl₃NO₂S
Molecular Mass of A. I. : 300.6 g/mol
Manufacturer & Supplier : **M/s United Chemicals**
Head office:B-371, 1st Floor, Meera Bagh, New Delhi,
Factory:15/1, 15/2, 15/3, Industrial Estate, Vidisha,
(M.P)
Telephone Number : +91-11-25258770

Section 2. Composition / Information on Ingredients

Name of Components	Concentration% w/w
Captan a.i.	50.00% w/w
Inert ingredient	50.00% w/w
TOTAL	100.00% w/w

Section 3. Hazards Identification

Health Hazards:

May cause sensitization by skin contact.

Irritating to eyes.

Very toxic to fish.

Keep out of reach of children.

Section 4. First Aid Measures

If in Eyes : Flush immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

If in Skin : Wash thoroughly with soap and water. Remove contaminated clothing and shoes and launder.

If Inhaled : Remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If Swallowed : Offer a glass of water or milk to drink. Call a physician or poison control center. Do not induce vomiting unless directed.

Antidote: There is no specific antidote. Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media:

Foam , carbon dioxide, dry powder or halon extinguishment and water fog;

Fire Fighting instruction

Keep fire exposed containers cool by spraying with water. Contain run-off water with example, temporary earth barriers. Very toxic to fish. A self contained breathing apparatus and suitable protective should be worn in fire conditions..

Hazardous Combustion Products

This material can form flammable dust clouds at elevated temperatures.

Section 6. Accidental Release Measures

For Spills on land Ensure suitable personal protection during removal of spillage. This means wearing a face mask that gives protection against toxic dusts, eye protection, chemically resistant gloves, boots and coveralls.

Containment Avoid runoff into storm sewers or other bodies of water. Very toxic to fish.

Cleanup Cleanup spill immediately. Cover spillage with moist sand , soil or sawdust . Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

For Spills in Water This material is very toxic to fish. Spillage or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

Section 7. Handling & Storage

Handling:

It is a violation of federal law to use this product in a manner inconsistent with the labeling. Read entire label. Use strictly in accordance with label precautionary statements and directions.

Avoid contact with skin and eyes . Do not breathe dust. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Keep away from frost.

Storage:

Physically and chemically stable for a least 2 years when stored in the original unopened sales containers at ambient temperatures.

Section 8. Exposure Control, Personal Protection

Occupational Exposure Controls:

Ventilation:

Provide local exhaust ventilation system.

Eye protection:

Employee must wear splash-proof or dust-resistant safety goggles to prevent eye contact with this substance.

Emergency eye wash: Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain within the immediate work area for emergency use.

Clothing:

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.

Gloves:

Employee must wear appropriate protective gloves to prevent contact with this substance.

Section 9. Physical and Chemical Properties

Appearance / state : Off white to tan powder

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Ph. : 25258770, 25258771, 25258772, 42334229

E-mail : utc_chemicals@hotmail.com
info@unitedchemicals.in

Colour	: Off white to tan
Odour	: Slight musty
Ph	: 5
Density	: 42-46 lbs/ft ³
Boiling point	: Not applicable
Solubility	: Dispersible
Vapour pressure	: NA

Section 10. Stability & Reactivity

Hazardous decomposition products:

Combustion or thermal decomposition will evolve toxic and irritant vapour.

Incompatibility with other materials:

alkaline and acidic conditions and materials.

Hazardous polymerization :

Product will not undergo polymerization

Section 11. Toxicological Information

Acute Oral Toxicity : LD₅₀ for rats : >5000 mg/kg

Acute Dermal Toxicity : LD₅₀ for rats : >2000 mg /kg

Acute Inhalation : LC₅₀ (4h) rats : >2.0 mg/l

Eye Irritation : moderate irritant

Skin Irritant : Non irritant

Skin sensitization : skin sensitizer

Section 12. Ecological Information

Birds Acute oral LD₅₀ for Bobwhite Quail and Mallard Ducks >2000 mg/kg

Section 13. Disposal Consideration

Waste treatment methods : do not dispose in household garbage

Sewage disposal recommendation : do not dispose of waste into sewer.

Waste disposal recommendation : dispose in a safe manner in accordance with local/national regulations.

Additional information : clean up even minor leaks or spills is possible without unnecessary risk.

Section 14. Transport Information

IMDG Classification

Shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Captan)

Class : 9

Packing group : III

UN number : 3077

Marine pollutant : Yes

Section 15. Regulatory Information

Risk phrases :

May cause sensitization by skin contact.

Irritating to eyes.

Safety phrases :

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

Avoid contact with skin.

Section 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 in 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

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recipient subsequently produces formulations(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

Safety Division :UNITED CHEMICALS, SAFETY DIVISION

