# PRODUCT SAFETY DATA SHEET OF CAPTAN 50 % WP

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>SEED CAP 500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Name</td>
<td>CAPTAN 50 % WP</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>(3aR,7aS)-2-[(trichloromethyl)sulfanyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione</td>
</tr>
<tr>
<td>Formula</td>
<td>C₉H₈Cl₃NO₂S</td>
</tr>
<tr>
<td>Supplier</td>
<td>CHEMETWETS &amp; FLOWS PVT.LTD Plot no.129/c/2, GIDC Estate, Ankleshwar 393002</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>CHEMETWETS &amp; FLOWS PVT.LTD Plot no.129/c/2, GIDC Estate, Ankleshwar 393002</td>
</tr>
<tr>
<td>Emergency Phone No.</td>
<td>02646-239490</td>
</tr>
<tr>
<td>Fax No</td>
<td>02646-220254</td>
</tr>
<tr>
<td>E mail Id</td>
<td><a href="mailto:chemetank@gmail.com">chemetank@gmail.com</a></td>
</tr>
</tbody>
</table>

## 2. COMPOSITION INFORMATION OF INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Captan WP</td>
<td>133-06-2</td>
<td>50 %</td>
</tr>
</tbody>
</table>

## 3. HAZARDS IDENTIFICATION SUMMARY

**Emergency overview**

- May cause sensitization by skin contact.
- Irritating to eyes.
- Very toxic to fish.
- Keep out of reach of children.

## 4. FIRST AID MEASURES

**Inhalation**
If inhaled remove patient from exposure, keep warm at rest. Obtain immediate medical attention.

Skin

Do not administer first aid without wearing adequate skin protection. Remove contaminated clothing immediately. Wash skin with plenty of soap and water. Wash contaminated clothing.

Eyes

Flush eyes immediately with fresh water or eye wash solution for at least 10 minutes while holding the eyelids open. Remove contact lenses if worn. Get medical attention immediately.

Ingestion

If swallowed drink 1 to 2 glasses of water and induce vomiting by touching the back of the throat with finger. If possible contact a physician, poison control center, or emergency central before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest emergency treatment center.

Further medical treatment

Symptomatic treatment and supportive therapy as indicate.

5. FIRE FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Flash point</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extinguishing media</td>
<td>Foam, carbon dioxide, dry powder or halon extinguishment and water fog;</td>
</tr>
<tr>
<td>Flammable Limits (% by volume in air)</td>
<td>Lower: NDA  Upper: NDA</td>
</tr>
</tbody>
</table>

Fire Fighting instruction

Keep fire exposed containers cool by spraying with eater. 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.

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**

**Containment**

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

**Clean up**

Remove contaminated water for removal or treatment.

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**7. HANDLING AND STORAGE**

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 Life**

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

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Eye protection**

Do not get this material in your eyes. Eye contact can be avoided by wearing chemical eye wear.

**Respiratory/ Ventilation Requirements**

Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Use this material only in well-ventilated areas.

**Skin Protection**

Wear suitable protective clothing, gloves and eye/face protection.
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Free Flowing Powder</td>
</tr>
<tr>
<td>Solubility</td>
<td>Dispersible</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous Decomposition products</td>
<td>Combustion or thermal decomposition will evolve toxic and irritant vapors.</td>
</tr>
</tbody>
</table>

11. TOXICOLOGICAL INFORMATION.

ACUTE TOXICITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye irritation</td>
<td>This product is highly irritating to eyes. Severe/very severe irritant to rabbit eyes.</td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>Practically Non Irritant</td>
</tr>
<tr>
<td>Dermal Sensitization</td>
<td>By analogy with a similar substance this material is likely to be a skin sensitizer.</td>
</tr>
<tr>
<td>Dermal Toxicity</td>
<td>Low dermal toxicity. The dermal LD_{50} of cap tan 50 wp in rabbits is &gt; 2000 mg/kg b.w.</td>
</tr>
<tr>
<td>Oral Toxicity</td>
<td>Low oral toxicity. The oral LD_{50} of cap tan 50 wp in rats is &gt; 6000 mg/kg b.w.</td>
</tr>
<tr>
<td>Inhalation Toxicity</td>
<td>Low toxicity under normal conditions of handling and use.</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

No Data Available.

13. DISPOSAL CONSIDERATION

End users must dispose of any unused product as per the label recommendations

Do not contaminate ponds, waterways or ditches with chemicals or used containers. Surplus material must be disposed of as detailed in the “Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm “GIFAP, 1987.

Disposal Method
Empty containers should be washed and discarded. Empty containers should not be used for other purpose. Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>UN Number</th>
<th>3077</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class</td>
<td>9</td>
</tr>
<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION UNITED STATES

**Risk Phrases**
- May cause sensitization by skin contact.
- Irritating to eyes.
- 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.

16. OTHER INFORMATION

None

DISCLAIMER

All reasonable care has been exercised in processing your request for information on the chemical listed in this Material Safety Data Sheet. No warranty is made, either expressed or implied and Perisseuma Projects does not hold itself liable for any injury, illness, loss or misinterpretation arising from the use of this data. CHEMET WETS & FLOWS P.LTD makes no warranty expressed or implied in respect of the adequacy of this document for any particular purpose.

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