

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



SAFETY DATA SHEET

1. Identification

- **Product Name:** DINOTEFURAN 20% SG
- **Use:** Agricultural/Horticultural Insecticide
- **Manufacturer / Supplier:** COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED
- **Address:** Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

2. Hazards Identification

- **GHS Classification:**
 - **Aquatic Hazard (Chronic Category 1)**
- **Signal Word:** WARNING
- **Hazard Statements:**
 - H315: Causes skin irritation.
 - H319: Causes serious eye irritation.
 - H335: May cause respiratory irritation.
- **Precautionary Statements:**
 - P391: Collect spillage.
 - P501: Dispose of contents/container in accordance with local, regional, national, and international regulations.
- **Other Hazards:** Toxic to bees and silkworms.

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3. Composition / Information on Ingredients

Chemical Name	CAS No.	% Content
Active Ingredient (Dinotefuran)	165252-70-0	20%
Other Ingredients	Not Specified QS	

4. First Aid Measures

- **Skin Contact:** Mild irritation possible, wash with soap and water.
- **Eye Contact:** Rinse thoroughly with water for several minutes; remove contact lenses if present.
- **Inhalation:** Move to fresh air; seek medical attention if symptoms persist.
- **Ingestion:** Do not induce vomiting. Wash mouth with water, provide fluids, and consult a physician.

5. Fire-Fighting Measures

- **Extinguishing Media:** Water spray, Carbon dioxide, Dry chemical powder.
- **Hazards in Combustion:** Emits toxic fumes (sulfur oxides, nitrogen oxides, carbon dioxide).
- **Protection for Firefighters:** Use self-contained breathing apparatus.

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation; eliminate ignition sources.
- **Environmental Precautions:** Do not discharge into drains or rivers.
- **Clean-up:** Collect in labeled containers for disposal.

7. Handling and Storage

- **Handling:** Ensure proper ventilation; avoid dust formation.
- **Storage:** Keep in original containers, store in cool, dry, ventilated areas away from ignition sources.

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- **Suitable Packaging:** Original packaging only.

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Ensure proper ventilation.
- **Personal Protection:**
 - **Respiratory:** Approved respirator.
 - **Hands:** Protective gloves.
 - **Eyes:** Safety goggles.
 - **Skin:** Overalls, apron, waterproof gloves.

9. Physical and Chemical Properties

- **State:** Solid
- **Color:** White
- **Odor:** Odorless
- **Solubility:** Soluble in water
- **pH:** 6.5 – 8.0 (1% dispersion)
- **Melting Point:** 107.5°C

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Excessive heat.
- **Hazardous Decomposition:** Produces toxic fumes upon decomposition.

11. Toxicological Information

- **Acute Oral LD50 (Rat):** > 2000 mg/kg
- **Acute Dermal LD50 (Rat):** > 2000 mg/kg
- **Acute Inhalation LD50:** > 2.94 mg/L
- **Eye Irritation (Rabbit):** Mild irritation.
- **Skin Irritation (Rabbit):** Slight irritation.

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- **Skin Sensitization (Guinea Pig):** Not a sensitizer.

12. Ecological Information

- **Aquatic Toxicity:** Highly toxic to aquatic organisms.
- **Bird Toxicity:** Practically non-toxic.
- **Honey Bee Toxicity:** Non-toxic.
- **Environmental Fate:**
 - **Persistence:** Half-life in soil ~6-15 days.
 - **Bioaccumulation:** Low.
 - **Mobility in Soil:** Not mobile.

13. Disposal Considerations

- **Product Disposal:** Dispose at an approved waste disposal facility.
- **Packaging Disposal:** Dispose of in a regulated landfill site.

14. Transport Information

Transport Type	UN No.	Shipping Name	Hazard Class	Packing Group	Marine Pollutant
DOT (US)	3077	Environmentally Hazardous Substance, Solid, N.O.S. (Dinotefuran)	9	III	Yes
ADR / RID (Land Transport)	3077	Same as above	9	III	Yes
IMDG / IMO (Marine Transport)	3077	Same as above	9	III	Yes
IATA / ICAO (Air Transport)	3077	Same as above	9	III	Yes

15. Regulatory Information

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- **Hazard Symbols: Xn (Harmful)**
- **Risk Phrases (R-Phrases):**
 - R22: Harmful if swallowed.
 - R51/53: Toxic to aquatic organisms, may cause long-term adverse effects.
- **Safety Phrases (S-Phrases):**
 - S2: Keep out of reach of children.
 - S24/25: Avoid contact with skin and eyes.
 - S36/37: Wear suitable protective clothing and gloves.
 - S57: Use containment to avoid environmental contamination.
 - S60: Dispose of material and container as hazardous waste.
 - S61: Avoid release to the environment.

16. Other Information

- **Legal Disclaimer:**
 - The information provided is believed to be accurate but is not exhaustive.
 - The company is not liable for damages resulting from handling or exposure.