

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
Triacontanol Technical

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product Name:** Triacontanol Technical
- **CAS No.:** 593-50-0
- **Use:** Plant Growth Regulator
- **Manufacturer/Supplier:** Cocreate Global Technologies Private Limited

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Concentration
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Triacontanol a.i.	100.00% min.
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3. HAZARDS IDENTIFICATION

- **Emergency Overview:** No data available.
 - **Routes of Entry:** Inhalation, Skin, Eyes, Ingestion, Injection
 - **Potential Health Effects:**
 - Irritating to mucous membranes and respiratory tract
 - May be harmful by inhalation, ingestion, or skin absorption
 - May cause eye, skin, or respiratory system irritation
 - **Signs & Symptoms of Exposure:** No data available.
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4. FIRST AID MEASURES

- **Inhalation:** Move to fresh air, provide oxygen/artificial respiration if necessary. Seek immediate medical attention.
 - **Ingestion:** Rinse mouth with water if conscious. Do NOT induce vomiting unless directed by a doctor. Seek medical help.
 - **Eye Contact:** Flush with plenty of water for at least **20 minutes**. Remove contact lenses if present. Seek medical attention.
 - **Skin Contact:** Wash with **soap and water**, remove contaminated clothing. If irritation persists, seek medical help.
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5. ACCIDENTAL RELEASE MEASURES

- **Personal Protection:**
 - Wear **NIOSH/MSHA-approved** respirator, **rubber boots, safety goggles, and heavy rubber gloves**.
 - **Cleanup Procedures:**
 - Vacuum or sweep up material and place in a disposal container.
 - Avoid raising dust.
 - Ventilate the contaminated area and flush with water.
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6. FIRE-FIGHTING MEASURES

- **Flash Point:** No data available.
- **Fire Fighting Instructions:**
 - Use **self-contained breathing apparatus (SCBA)** and full protective gear.
 - **Avoid skin and eye contact.**
- **Extinguishing Media:**
 - **Alcohol-resistant foam, CO₂, water, dry chemical spray**
- **Hazardous Combustion Products:**

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- **Emits toxic fumes under fire conditions**
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7. HANDLING AND STORAGE

- **Handling:**
 - Wear **impervious clothing, gloves, and closed footwear** to prevent repeated skin contact.
 - Use **flash-proof and dust-resistant goggles**.
 - **Storage:**
 - Store in **original tightly closed containers**.
 - Keep in a **cool, dry, well-ventilated place, under lock and key**.
 - Keep **away from children, animals, food, and animal feed**.
 - **Store away from incompatible substances and sources of ignition**.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Technical Protective Measures:** None required.
 - **Exposure Control Limits:** Not established.
 - **Personal Protective Equipment (PPE):**
 - **Respiratory Protection:** Wear a **suitable mask**.
 - **Hand Protection:** Wear **impervious gloves**.
 - **Eye Protection:** Wear **flash-proof and dust-resistant goggles**.
 - **Skin Protection:** Wear **impervious clothing and closed footwear**.
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9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical State:** Solid
- **Appearance:** Crystalline solid
- **Odor:** No data available
- **Solubility in Water:** 1.7 mg/mL at 25°C
- **Other Solubility:** Soluble in chloroform
- **Melting Point:** No data available
- **Boiling Point:** No data available
- **Autoignition Temperature:** No data available
- **Flash Point:** No data available
- **Explosive Limits:** No data available
- **Specific Gravity:** No data available
- **Vapor Pressure:** No data available
- **Vapor Density:** No data available
- **Evaporation Rate:** No data available
- **Molecular Formula:** C₃₀H₆₂O
- **Molecular Weight:** 438.80 g/mol
- **pH:** No data available

10. STABILITY AND REACTIVITY

- **Stability:** Stable at room temperature in closed containers under normal handling conditions.
- **Conditions to Avoid:** Excess heat, strong oxidants, exposure to moist air or water.
- **Incompatible Materials:** Oxidizing agents, moisture.
- **Hazardous Decomposition Products:**

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- **Hydrogen chloride (HCl), carbon monoxide (CO), oxides of phosphorus, toxic fumes**
 - **Hazardous Polymerization: Has not been reported.**
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11. TOXICOLOGICAL INFORMATION

- **Toxicological Properties:** Not thoroughly studied.
 - **Carcinogenicity:**
 - **NTP?** No
 - **IARC Monographs?** No
 - **OSHA Regulated?** No
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12. ECOLOGICAL INFORMATION

- **Environmental Impact:**
 - **Runoff from fire control may cause pollution**
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13. DISPOSAL CONSIDERATIONS

- **Treatment & Disposal Methods:**
 - **Inactivate through incineration** in properly designed ovens.
 - **Empty Packaging Disposal:**
 - Store in **covered, ventilated places, protected from rain.**
 - Do **not reuse empty packaging.**
 - Can be **recycled** under **appropriate legislation.**
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14. TRANSPORT INFORMATION

- **US DOT Classification:** No data available.
 - **Transport Instructions:** Follow local, state, and federal regulations.
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15. REGULATORY INFORMATION

- **TSCA (US):**
 - **CAS# 593-50-0 is not listed on TSCA inventory** (for research and development use only).
 - **CERCLA Hazardous Substances:** None
 - **SARA Section 302:** No extremely hazardous substances
 - **SARA Section 313:** No chemicals reportable
 - **Clean Air Act:**
 - Does not contain **hazardous air pollutants**
 - Does not contain **Class 1 or Class 2 Ozone depleters**
 - **Clean Water Act:**
 - Not listed as **Hazardous, Priority, or Toxic Pollutant**
 - **OSHA:**
 - Not considered **highly hazardous**
 - **California Proposition 65:** No significant risk level
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16. OTHER INFORMATION

- **Disclaimer:**
 - The information provided is based on the current state of knowledge and scientific research.
 - The manufacturer **disclaims liability** for improper use, handling, or disposal.
 - Users are responsible for ensuring the information is **understood and applied correctly**.