

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

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SAFETY DATA SHEET
Gibberellic Acid Technical

1. Product Identification

- **Product Name:** Gibberellic Acid Technical
- **Chemical Name:** Gibberellic Acid (GA₃)
- **CAS Number:** 77-06-5
- **Chemical Formula:** C₁₉H₂₂O₆
- **Molecular Weight:** 346.37 g/mol
- **Formulation Type:** Pure technical grade powder
- **Intended Use:** Plant growth regulator for agricultural, horticultural, and industrial applications
- **Manufacturer/Supplier:** Cocreate Global Technologies Private Limited

2. Hazard Identification

- **GHS Classification:**
 - Acute Oral Toxicity: Category 5
 - Eye Irritation: Category 2B
 - Skin Irritation: Category 3
- **Signal Word:** Caution
- **Hazard Statements:**
 - H303: May be harmful if swallowed
 - H316: Causes mild skin irritation
 - H320: Causes eye irritation

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- **Precautionary Statements:**

- P261: Avoid breathing dust
- P264: Wash hands thoroughly after handling
- P280: Wear protective gloves, eye protection, and face protection
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
- P501: Dispose of contents/container in accordance with local regulations

3. Composition and Information on Ingredients

- **Active Ingredient:**
 - **Gibberellic Acid (GA₃):** ≥ 90%
- **Inert Ingredients:**
 - Trace impurities (< 10%)

4. First-Aid Measures

- **Inhalation:** Move to fresh air. If breathing difficulties occur, administer oxygen and seek medical attention.
 - **Skin Contact:** Wash the affected area thoroughly with soap and water. If irritation persists, seek medical advice.
 - **Eye Contact:** Flush with water for at least 15 minutes, lifting eyelids occasionally. Seek medical attention if irritation persists.
 - **Ingestion:** Rinse mouth with water and seek immediate medical attention. Do not induce vomiting unless directed by a medical professional.
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5. Fire-Fighting Measures

- **Extinguishing Media:** Water spray, dry chemical powder, foam, or carbon dioxide
 - **Hazardous Combustion Products:** Carbon monoxide (CO), carbon dioxide (CO₂), and organic vapors
 - **Fire-Fighting Instructions:**
 - Wear self-contained breathing apparatus (SCBA) and full protective gear
 - Avoid runoff entering waterways
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6. Accidental Release Measures

- **Personal Precautions:** Wear protective gloves, clothing, and goggles. Avoid inhalation of dust.
 - **Environmental Precautions:** Prevent contamination of soil, water bodies, and drainage systems
 - **Cleanup Procedures:**
 - Contain the spill with absorbent materials (sand or earth)
 - Collect the material in an appropriate container for disposal
 - Wash the spill area with water and detergent
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7. Handling and Storage

- **Handling:**
 - Avoid inhaling dust and direct contact with skin or eyes
 - Wear appropriate PPE during handling
- **Storage:**
 - Store in a cool, dry, well-ventilated place
 - Protect from moisture, direct sunlight, and extreme temperatures

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- **Shelf Life:** 2 years from the date of manufacture under proper storage conditions
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8. Exposure Controls and Personal Protection

- **Occupational Exposure Limits:** No exposure limits established
 - **Engineering Controls:** Ensure adequate ventilation, particularly in enclosed spaces
 - **Personal Protective Equipment (PPE):**
 - **Respiratory Protection:** Use a dust mask or NIOSH-approved respirator if necessary
 - **Hand Protection:** Wear chemical-resistant gloves
 - **Eye Protection:** Safety goggles or a face shield
 - **Body Protection:** Protective clothing such as coveralls and footwear
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9. Physical and Chemical Properties

- **Appearance:** White to off-white crystalline powder
 - **Odor:** Odorless
 - **pH (1% solution):** 5.0–6.0
 - **Melting Point:** 233–235°C
 - **Boiling Point:** Not applicable (decomposes before boiling)
 - **Solubility in Water:** Slightly soluble (5 g/L at 25°C)
 - **Density:** 1.1–1.3 g/cm³
 - **Partition Coefficient (log Pow):** 0.8
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10. Stability and Reactivity

- **Chemical Stability:** Stable under normal storage conditions
- **Conditions to Avoid:** Exposure to high temperatures, moisture, and direct sunlight

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- **Incompatible Materials:** Strong oxidizers, acids, and bases
 - **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, and organic vapors
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11. Toxicological Information

- **Acute Toxicity:**
 - Oral LD50 (Rat): >5000 mg/kg (low toxicity)
 - Dermal LD50 (Rabbit): >2000 mg/kg
 - Inhalation LC50 (Rat, 4h): No data available
 - **Skin Irritation:** May cause mild irritation upon prolonged contact
 - **Eye Irritation:** Causes mild to moderate eye irritation
 - **Sensitization:** No evidence of skin sensitization
 - **Carcinogenicity:** No evidence of carcinogenic effects
 - **Mutagenicity:** Not mutagenic in standard tests
 - **Reproductive Toxicity:** No adverse reproductive effects observed
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12. Ecological Information

- **Aquatic Toxicity:**
 - Expected to be non-toxic at recommended application rates
 - **Persistence and Degradability:** Biodegradable under natural conditions
 - **Bioaccumulation Potential:** Negligible
 - **Mobility in Soil:** Low to moderate
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13. Disposal Considerations

- **Product Disposal:** Dispose of unused product in accordance with local, regional, or national regulations
 - **Container Disposal:** Rinse empty containers thoroughly and dispose of according to applicable waste disposal regulations
 - **Environmental Precautions:** Do not allow product or waste to enter water bodies, drains, or soil
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14. Transport Information

- **UN Number:** Not classified as hazardous for transport
 - **Proper Shipping Name:** Not applicable
 - **Hazard Class:** Not classified
 - **Packing Group:** Not applicable
 - **Marine Pollutant:** No
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15. Regulatory Information

- **U.S. EPA Registration:** Not applicable (plant growth regulator)
 - **EU Classification:** Not classified as hazardous
 - **International Regulations:**
 - Compliant with REACH (EU)
 - Registered for agricultural use under various international guidelines
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16. Other Information

- **Disclaimer:** This information is provided to the best of our knowledge and should be used only as a guide for safe handling, use, processing, storage, transportation, and disposal. Users must ensure compliance with all applicable regulations.