

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 40% WSG

1. Product Identification

- **Product Name:** Gibberellic Acid 40% WSG
- **Chemical Name:** Gibberellic Acid (GA₃)
- **CAS Number:** 77-06-5
- **Chemical Formula:** C₁₉H₂₂O₆
- **Formulation Type:** Water-Soluble Granules (WSG)
- **Intended Use:** Plant growth regulator used to stimulate stem elongation, seed germination, flowering, fruit set, and overall plant development
- **Manufacturer/Supplier:** Cocreate Global Technologies Private Limited

2. Hazard Identification

- **GHS Classification:** Not classified as hazardous under GHS criteria
 - **Signal Word:** None
 - **Hazard Statements:**
 - Not considered hazardous under normal use conditions
 - **Precautionary Statements:**
 - P261: Avoid breathing dust
 - P264: Wash thoroughly after handling
 - P273: Avoid release to the environment
 - P280: Wear protective gloves and eye protection when handling the granules
 - P501: Dispose of contents/container according to local regulations
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3. Composition and Information on Ingredients

- **Active Ingredient:**
 - **Gibberellic Acid (GA₃):** 40% w/w
 - **Inert Ingredients:**
 - Fillers, binders, and stabilizers: 60%
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4. First-Aid Measures

- **Inhalation:** Move to fresh air and seek medical attention if respiratory symptoms persist
 - **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing
 - **Eye Contact:** Rinse cautiously with clean water for at least 15 minutes. Seek medical advice if irritation persists
 - **Ingestion:** Rinse mouth thoroughly with water. Seek medical advice if discomfort occurs. Do not induce vomiting unless directed by medical personnel
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5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, or carbon dioxide
 - **Hazards from Combustion:** May release toxic fumes such as carbon monoxide and carbon dioxide during combustion
 - **Protective Equipment for Firefighters:** Use self-contained breathing apparatus (SCBA) and full protective clothing
 - **Special Fire-Fighting Procedures:** Prevent contamination of water bodies during firefighting efforts
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6. Accidental Release Measures

- **Personal Precautions:** Wear appropriate personal protective equipment (PPE) to avoid inhalation and direct contact
 - **Environmental Precautions:** Prevent product from contaminating water bodies, drains, or soil
 - **Methods for Cleanup:**
 - Sweep or vacuum up the spilled material without creating dust
 - Place the waste in a suitable container for disposal according to local regulations
 - Wash the spill area thoroughly with water and detergent
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7. Handling and Storage

- **Handling:**
 - Avoid creating dust and direct contact with skin or eyes
 - Wear protective equipment during handling
 - **Storage:**
 - Store in a cool, dry, well-ventilated area away from direct sunlight and moisture
 - Keep in original packaging, tightly sealed when not in use
 - **Shelf Life:** 2 years when stored under recommended conditions
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8. Exposure Controls and Personal Protection

- **Occupational Exposure Limits:** No specific exposure limits established
- **Engineering Controls:** Provide adequate ventilation to minimize dust exposure
- **Personal Protective Equipment (PPE):**
 - **Respiratory Protection:** Dust mask or NIOSH-approved respirator if airborne dust is generated

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- **Hand Protection:** Chemical-resistant gloves
- **Eye Protection:** Safety goggles or a face shield
- **Skin Protection:** Long-sleeved clothing and protective footwear

9. Physical and Chemical Properties

- **Appearance:** Off-white to light yellow granules
- **Odor:** Odorless
- **pH (1% solution):** 5.0–6.0
- **Melting Point:** Not applicable
- **Boiling Point:** Not applicable
- **Solubility in Water:** Completely soluble
- **Density:** 1.1–1.3 g/cm³
- **Viscosity:** Not applicable

10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions of use and storage
 - **Conditions to Avoid:** Avoid extreme heat, direct sunlight, and moisture
 - **Incompatible Materials:** Strong acids, strong bases, and oxidizing agents
 - **Hazardous Decomposition Products:** May emit carbon monoxide and carbon dioxide upon decomposition
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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 with prolonged contact
 - **Eye Irritation:** May cause slight irritation
 - **Sensitization:** Not known to cause sensitization
 - **Carcinogenicity:** No evidence of carcinogenic effects
 - **Mutagenicity:** Not mutagenic based on available studies
 - **Reproductive Toxicity:** No adverse reproductive effects observed
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12. Ecological Information

- **Aquatic Toxicity:**
 - Expected to be non-toxic at recommended use rates
 - **Persistence and Degradability:** Biodegradable under natural environmental conditions
 - **Bioaccumulation Potential:** Low
 - **Mobility in Soil:** Moderate mobility; may leach into soil under heavy rainfall
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13. Disposal Considerations

- **Product Disposal:** Dispose of according to local, regional, and national regulations
 - **Container Disposal:** Triple rinse empty containers and puncture before disposal
 - **Environmental Precautions:** Prevent discharge into water bodies, soil, or drains
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14. Transport Information

- **UN Number:** Not classified as hazardous for transportation
 - **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 under agricultural guidelines for use as a plant growth regulator
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16. Other Information

- **Disclaimer:** This information is accurate to the best of our knowledge and is intended as a guide for safe handling, storage, and disposal. The user is responsible for ensuring compliance with applicable local laws and regulations.