



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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1. PRODUCT DESCRIPTION

Product Name: 90% Gibberellic Acid, not less than 90% GA3
Chemical Name: Gibberellic Acid
Formula: C₁₉H₂₂O₆
Synonyms: Gibberellin, Gibberellin A3

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Gibberellin acid-2,4a,7-trihydroxy-1-methylenegibt-3-ene-1,
10-dicarboxylic acid,4a-lactene.
Chemical Family: Carboxylic acid
Product Use: Plant growth regulator.

3. HAZARD IDENTIFICATION

Emergency Overview: Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and fumes. Not expected to be hazardous under normal conditions of use.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.

Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse.

Get medical attention if irritation persists. Ingestion - If swallowed, if conscious,

give plenty of water and induce vomiting immediately as directed by medical personnel. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person. Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): No information available

NFPA Rating: None assigned

Extinguisher Media: Use dry chemical, CO₂ or appropriate foam.

Flammable Limits in Air % by Volume: No information available

Autoignition Temperature: No information available

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Store tightly closed on a cool, dry, well ventilated area suitable for general chemical storage. Wash thoroughly after handling.

Other Precautions: Do not take internally.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type): A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: Yes

Mechanical(General): Yes

Special: No

Other: No

Protective Gloves: Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.



Other Protective Clothing or Equipment:
Lab coat, eyewash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: N/A

Melting Point: 233-235 C

Boiling Point: No information available

Vapor Pressure: No information available

Vapor Density(Air=1): No information available

Specific Gravity(H₂O=1): No information available

Percent Volatile by Volume: No information available

Evaporation Rate(H₂O=1): No information available

Solubility in Water: Slight

Appearance and Odor: White crystals or powder with no odor

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None known

Incompatibility(Materials to Avoid): Strong oxidizers

Hazardous Decomposition Products: Oxides of carbon

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: oral-rat LD₅₀: 6300 mg/kg

Effects of Overexposure: Acute: See section 3

Chronic: Mutation data cited, tumorigenic data cited, not listed as causing cancer by IARC, NTP, or OSHA.

Conditions Aggravated by Overexposure: Pre-existing conditions of the eyes and upper respiratory tract.

Target Organs: Eyes, upper respiratory tract.

Primary Route(s) of Entry: Inhalation, ingestion, and skin.

12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION



Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.
Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Non-regulated

15. REGULATORY INFORMATION

WHMIS Classification: This product is registered under the Pest Control Products Act and is exempt from the requirements of WHMIS.

16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. CHANGZHOU DAWN INTERNATIONAL CO., LTD. Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.