



Hangzhou Tianlong Biotechnology Co., Ltd.

Add: Room 1906, Fengqi Times Tower, No.338, Fengqi East Road, Hangzhou, Zhejiang, China.

MATERIAL SAFETY DATA SHEET

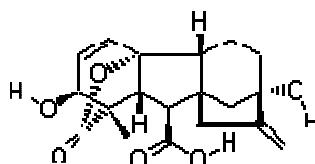
1. Chemical Product and company Identification

Product Name: Gibberellic Acid GA3

Molecular Formula: C₁₉H₂₂O₆

Molecular Weight: 346.37

Structural Formula:



Chemical Name:

(3*S*,3*aS*,4*S*,4*aS*,7*S*,9*aR*,9*bR*,12*S*)-7,12-dihydroxy-3-methyl-6-methylene-2-oxoperhydro-4*a*,7-methano-9*b*,3-propeno[1,2-*b*]furan-4-carboxylic acid

CAS No.: 77-06-5

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

Address: Room 1906, Fengqi Times Tower, No.338 Fengqi East Road, Hangzhou, China, 310020

Tel: 0086-571-87214516

Fax: 0086-571-87079476

2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Gibberellic Acid	77-06-5	95.0
Other ingredients		5.0

3. Hazards Identification

The substance is slightly irritant to eyes and skin, avoid eyes and skin contact.

4. First Aid Measures

Skin: No known effect on skin contact, rinse with water for a few minutes.

Eyes: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

5. Fire-Fighting Measures

Flash Point: N/A

Flammability: N/A

Extinguishing Media:

Water spray, dry chemical, sandy soil, chemical foam or carbon dioxide

Fire-fighting

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

Small spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and Storage

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container.

Incompatibilities: Oxidants and food.

8. Exposure Controls / Personal Protection

Personal Protective Equipment:

To avoid eye and skin contact, wearing the following personal protective clothing and equipment is recommended:

Eyes: Safety goggles or face shield

Clothing: Cotton overalls buttoned to the neck and wrist and a washable hat.

Gloves: Elbow length PVC gloves.

Respiratory: Respiratory protection is not normally required. If airborne concentrations are likely to exceed the exposure standard above, an AS/NZS 1715/1716 approved respirator should be worn.

Other: After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, goggles or face shield and contaminated clothing.

9. Physical and Chemical Properties

Appearance: white powder, solid

Melting point: 227 °C

Solubility (In water): Weak soluble in water, practically soluble in acetone practically soluble in ethanol, pH value: 3-4, acid.

10. Stability and Reactivity

Stable under normal condition.

Incompatibilities: Oxidants and food.

11. Toxicological Information

Acute oral (rat) LD50: 6300mg/kg

Acute dermal (rabbit) LD50: 2001mg/kg

12. Ecological Information

This substance does not belong to toxic substances

13. Disposal Considerations

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14. Transport Information

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

Non-Hazardous for Air Transport: Non-hazardous for air transport.

15. Regulatory Information

Safe phrase: Keep locked up and out of reach children.

Keep away from food, drink and animal feeding stuffs.

Do not breathe vapour/spray.

Avoid contact with skin and eyes.

Wear suitable protective clothing, gloves and eye/face protection.

Avoid release to the environment.

16. Other Information

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.