



**SUZHOU DORA AGRI-TECH CO., LTD
XINYI (HONGKONG) INDUSTRIAL CO., LTD**

Material Safety Data Sheet

SUBJECT: Gibberellic Acid 90%

1.Product and Company Identification

Product name: Gibberellic Acid 90%

Manufacturer/Supplier:

Suzhou Dora Agri-Tech Co.,Ltd

Address: Rm 1402, YuKun Meicheng Building, No. 33 Haiyu North Rd.

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CAS#: 77-06-5

2.Hazards Identification

2.1 Emergency overview:

Caution! May cause eye and skin irritation. May cause respiratory and digestive tract irritation. This is expected to be a low hazard for usual industrial handling.

2.2 Health hazards:

Effects Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract. Low hazard for usual industrial handling.

Inhalation: May cause respiratory tract irritation. Low hazard for usual industrial handling.

Chronic: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Active Ingredients: Gibberellic Acid

CAS#: 77-06-5

Concentration: ≥ 90%

M.F: C₁₉H₂₂O₆

M.W: 346.4 g/mol



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4. First-aid measurements

4.1 General advice

Have the product container, label or Material Safety Data Sheet with you when going for treatment. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

4.2 In case of inhalation

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. Consult a physician if symptoms are severe or persistent.

4.3 In case of skin contact

Immediately wash with excess soap and water at least 15 minutes. If spilled on clothing, remove all affected clothing. Consult a physician if symptoms are severe or persistent.

4.4 In case of eye contact

Flush eyes with water or eye wash solution as a precaution for 15 minutes. Consult a physician if symptoms are severe or persistent.

4.5 In case of ingestion

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

4.6 Note to physician

No specific antidote. Treat symptomatically.

5. Fire-Fighting Measurements

5.1 Flash point: N/A

5.2 Flammable limits: Not determined.

5.3 Autoignition temperature: Not determined

5.4 Hazardous combustion products: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

5.5 Extinguishing media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Water spray may cause frothing.

5.6 Media to be avoided: None known.

5.7 Protective equipment for firefighters: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

6. Accidental Release Measurements

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind.



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6.2 Environmental precautions

Isolate hazard area and deny entry. Keep unnecessary people away. Take immediate steps to stop and contain the spill. Caution should be exercised regarding personnel safety and exposure to the spilled material.

6.3 Methods and material for containment and cleaning up

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

7. Handling and Storage

7.1 Precautions for safe handling

Provide suitable ventilation. Wear any necessary personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Cool, dry, well-ventilated area from incompatible substances. Keep containers tightly closed.

8. Exposure Controls / Personal Protection

8.1 Control parameters

This product is not known to contain any substances with occupational exposure limit values.

8.2 Engineering controls

Use adequate ventilation to keep airborne concentrations low..

8.3 Personal protective equipment

Eye/face protection: Use only government-approved safety glasses with side-shields.

Skin protection: Use gloves when handling product. Inspect gloves before use to ensure suitability for use. Remove without exposing skin to the gloves outer surface. Discard used gloves according to all pertinent laws and/or current good practices (cGXP). Wash hands with soap and water.

Body protection: Wear appropriate clothing. Ensure clothing is in good condition, with no holes or tears. When selecting clothing, consider the concentration and amount of substance to be handled.

Respiratory protection: Use only approved respirators and components which comply with CDC and NIOSH (US) or CEN (EU) regulations. Required only when vapors or aerosols are created.



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Control of environmental exposure: Prevent product from entering the environment, especially through public sewers or waterways.

General hygiene considerations: Comply with general industrial hygiene practice guidelines.

9. Physical and Chemical Protection

9.1 Information on basic physical and chemical properties

- a) Appearance: White powder
- b) Physical states: Solid
- c) Odor: Not available
- d) Odor threshold: Not available
- e) Melting point: 234° C (Approx)
- f) Boiling point range: Not available
- g) pH: Acidic in solution
- h) Vapor pressure: Not available
- i) Vapor density: Not available
- j) Decomposition temperature: Not available

10. Stability and reactivity

10.1 Chemical stability

Product is stable when stored and used as recommended.

10.2 Hazard reactions

Hazardous polymerization will not occur.

10.3 Conditions to avoid

High temperatures, incompatible materials, dust generation, excess heat.

10.4 Incompatible materials

Strong oxidizers

10.5 Hazardous decomposition products

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

11. Toxicological Information



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11.1 Acute toxicity

LD50 Oral: >2000 mg/kg

LD50 Dermal: >2000 mg/kg

LC50 Inhalation: >2 mg/l

11.2 Skin corrosion/irritation

No skin/corrosion irritation data available.

11.3 Serious eye damage/eye irritation

No eye damage/irritation data available.

11.4 Allergenic and sensitizing effects

Not considered to be a skin sensitizer (Guinea pig)

11.5 Chronic toxicity/Carcinogenicity

(90 d) for rats and dogs > 1000 mg/kg diet (6 d/w)

12. Ecological Information

12.1 Ecotoxicity

Birds: Acute oral LD50: for bobwhite quail >2250 mg/kg; Dietary LC50 (5 days): for bobwhite quail > 4640 mg/kg.

Fish: LC 50(96): for rainbow trout >150 ppm

Algae: EC50: 10 mg/l

Bees: LD50(oral): 5ug/bee

13. Disposal Consideration

13.1 Product

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult and adhere to local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport and Regulatory Information

14.1 UN Number

Not required.

14.2 UN Proper shipping name

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Not regulated as a hazardous material.

14.3 Transport hazard class

N/A.

14.4 Packing group

N/A

14.5 Marine pollutant

No

15.Law

15.1 Hazard symbols

None

15.2 Risk phrases

None

15.3 Safety phrases

None

16.Other Information

References: Not available.

Other Special Considerations: Not available.

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