

河北捷润科技有限公司

Hebei JRain Technology Co., Ltd.

MATERIAL SAFETY DATA SHEET

Date: Apr.3rd, 2025

1. CHEMICAL IDENTIFICATION

Product Name: Gibberellic Acid 90%TC

Active Ingredient (%):Gibberellic Acid

Chemical Name: Gibberellic Acid

CAS No.: 77-06-5

Molecular Formula: C₁₉H₂₂O₆

Molecular Weight: 346.37g/mol

Chemical Class: Plant Growth Regulator

2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	% by weight
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Gibberellic Acid	≥90%
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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This material is an eye irritant. Target organs include the eye and respiratory system.

POTENTIAL HEALTH EFFECTS

Eye irritation: Moderately to severely irritating to the eyes. May cause eye irritation

4.FIRST AID MEASURES

Inhalation: Remove victim to fresh air artificial respiration ,preferably outh-to-mouth.Get medical attention.

Eye Contact: Hold eyelids open and flush with water for 15-20 minutes until no evidence of chemical remains.Get professional medical attention.

Shin Contact: Remove contaminated clothing and shoes. Wash with plenty of soap and water for 15-20 minutes until no evidence of chemical remains. Get professional medical attention.

Ingestion: Immediately give 2 glasses of water. Never give anything to an unconscious person. Get professional medical attention.

5. FIRE FIGHTING MEASURES

Flash Point & Method: Not Applicable

Flammable Limits: Not Applicable

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Auto ignition Temperature: Not Applicable

FIRE FIGHTING HAZARD & PROCEDURES

General Hazard: None determined.

Extinguishing Media: Use dry chemical, carbon dioxide, water spray or foam. No incompatible fire fighting media known.

Fire Fighting Equipment: Wear full protective clothing and self-contained breathing apparatus with full face piece.

Hazardous Combustion Products: None known

6.ACCIDENTAL RELEASE MEASURES

Land Spill: Sweep up product and place in appropriate container for disposal. Avoid dust. Ventilate spill area.

7.HANDLING AND STORAGE

General Information: Keep in closed or covered containers when not in use. Store in cool, dry, and well ventilated area. Do not store or consume food, drink or to areas where they may become contaminated with this material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MANUFACTURING, COMMERCIAL BLENDING & PACKAGING WORKERS

Follow label instructions when handling this product.

Ventilation: Local exhaust to control dust at its source.

Respiratory Protection: A NIOSH/MSMA approved respirator with organic

vapor canister or self-contained breathing apparatus is recommended.

Eye Protection: Wear chemical splash goggles in compliance with OSHA regulations.

Protective Clothing: Wear protective gloves such as butyl or nitrile rubber.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: Not Applicable

Solubility in water: 1-3g/L (20°C)

Viscosity: Not Applicable

Odor: None detected

Physical State: Powder

10. STABILITY AND REACTIVITY

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STABILITY AND REACTIVITY

General: This material is stable under normal conditions. Avoid excessive heat.

Incompatible Materials: None determined

Conditions to Avoid: None determined

Hazardous Decomposition: None determined

Hazardous Polymerization: Material is not known to polymerize

11. TOXICOLOGICAL INFORMATION

ACUTE

Rats: Male and Female

Dermal: LD₅₀ > 5000 mg / kg and there are no side effects of toxicity

Oral: LD₅₀ > 5000 mg / kg and there are no side effects of toxicity

No irritations to skin and eye of rabbits

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

13. DISPOSAL CONSIDERATION

Comply with appropriate disposal regulations. Landfill solids at permitted sites. Use registered transporters. Do not flush to surface water or sanitary sewer systems

14. TRANSPORT INFORMATION

DOT Shipping Name: Plant Growth Regulator

International Air Transport Association(IATA): Not Regulated

International Maritime Organization(IMO): Not Regulated

IATA Dangerous Goods Regulation (DGR) 55th Edition 2014

15. REGULATORY INFORMATION

REGULATION OF MINISTRY OF AGRICULTURE, PEOPLE'S REPUBLIC OF CHINA

16. OTHER INFORMATION

Company/Undertaking : HEBEI JRAIN TECHNOLOGY CO.,LTD.

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