

# SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

## 1. IDENTIFICATION

**PRODUCT NAME:** Technical Gibberellic Acid (GA3)

**DESCRIPTION:** A manufacturing use product used to formulate plant growth regulator end-use products

**EPA Reg. No.:** 75499-6-80518

**COMPANY IDENTIFICATION:**

**CytoTek Enterprises, Inc.**

21715 Tinsley Trails

Spring, TX 77388

## 2. HAZARD IDENTIFICATION

Not a hazardous substance or mixture

### HAZARD CLASSIFICATION

**Health Hazards**

None

**Category**

-

**Physical Hazards**

None

**Category**

-

**Environmental Hazards**

None

**Category**

-

### HAZARDS NOT REQUIRING CLASSIFICATION

Substance may be a mild eye irritant.

### PRECAUTIONARY STATEMENTS

None.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Gibberellic acid (GA <sub>3</sub> )	--	77-06-5	87-93%

## 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at (800) 858-7378 for general or medical information.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

## 5. FIREFIGHTING MEASURES

**Flash Point:** Not available

**Fire and Explosion Hazards:** None known.

**Extinguishing Medium:** Fog, foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water spray. Use appropriate medium for underlying cause of fire.

**Fire Fighting Equipment:** Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

**Fire Fighting Instructions:** Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

**Hazardous Combustion Products:** Typical combustion products formed during fire conditions.

**NFPA Ratings:** Health – 1 / Flammability – 1 / Reactivity - 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain or soil. Contain contaminated water.

**Spill Cleanup:** Clean up spill immediately. **If spilled on land:** Sweep up spill and place in appropriate container for disposal. Avoid dust formation. Wash spill area with soap and water. **If spilled in water:** Stop the source of the release. Contain and isolate to prevent further release into waterway. Absorb spill with suitable absorbent material and remove contaminated water for treatment or disposal.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing and wash before reuse.

**Storage:** Keep containers tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Protective Clothing:** Mixers, loaders and other handlers should wear: long-sleeved shirt and long pants, and shoes plus socks. To prevent material from entering eyes or getting on skin, wear eye protective eyewear (safety glasses, goggles, face shield) and waterproof gloves.

**General:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	white crystals	<b>pH:</b>	4.0 @ 22°C
<b>Odor:</b>	odorless	<b>Kinematic viscosity:</b>	not available
<b>Melting/freezing point:</b>	233-235°C	<b>Solubility:</b>	289.5 mg/100 mL water (26°C)
<b>Boiling point/Boiling range:</b>	not determined	<b>Partition coefficient:</b>	partially soluble in water
<b>Flammability:</b>	not available	<b>Vapor pressure:</b>	0.01 mPa (25°C)
<b>Flammability limits (upper/lower):</b>	not available	<b>Density:</b>	0.6566 g/cm <sup>3</sup>
<b>Flash point:</b>	not available	<b>Relative vapor density:</b>	not available
<b>Auto-ignition temperature:</b>	not available	<b>Particle characteristics:</b>	not available
<b>Decomposition temperature:</b>	not available		
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>22</sub> O <sub>6</sub>		
<b>Molecular Weight:</b>	346.38		

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Excessive heat and direct sunlight.

**CHEMICAL STABILITY:** Stable under normal use and storage conditions.

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** > 5,000 mg/kg (lit.)

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 2,000 mg/kg (lit.)

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.98 mg/L (lit.)

**EYE IRRITATION:** Mildly irritating

**SKIN IRRITATION:** Non-irritating

**SKIN SENSITIZATION:** Guinea pig – not a contact sensitizer

**CARCINOGENICITY:**

**NTP:** Not listed

**IARC:** Not listed

**EPA:** Not listed

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects.

**REPRODUCTIVE TOXICITY:** No evidence of fertility or reproductive effects.

**TERATOGENICITY:** No evidence of teratogenic effects.

**OTHER TOXICITY:** No evidence of other toxic effects.

## 12. ECOLOGICAL INFORMATION

This active ingredient is practically non-toxic to fish and aquatic invertebrates. Gibberellic acid is also practically non-toxic to avian species as well as non-target insects.

**The following information is for the active ingredient, gibberellic acid:**

Rainbow Trout: (LC<sub>50</sub>) > 150 ppm; (NOEL) 143 ppm

Daphnia Magna: (EC<sub>50</sub>) > 143 ppm; (NOEL) 143 ppm

Quail: (LD<sub>50</sub>) > 5000 mg/kg, (LC<sub>50</sub>): > 4640 mg/kg

Bee (LD<sub>50</sub>): > 25 µg/bee

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. See container labeling for complete disposal instructions.

## 14. TRANSPORT INFORMATION

**UN Number:** Not regulated

**Proper Shipping Name:** Not regulated

**Transport Hazard Class:** N/A

**Packing Group:** N/A

**Hazard Zone:** N/A

**Marine Pollutant:** No

**Hazardous Substance RQ:** None

**Labels / Placards:** US-DOT: Not regulated

IMDG, IATA: Not regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

### FIFRA –

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Harmful if inhaled or absorbed through skin. May cause moderate eye and skin irritation. Do not get in eyes or inhale mist. Wear goggles or face shield while handling, mixing or loading. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash before reuse.

See inside label booklet for additional precautionary statements.

##### ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, pond, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Eliminate System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

### SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

### SARA Title III – Section 311/312 Hazard Categories

None

### SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

### SARA Title III – Section 313 Reportable Ingredients

None

### CERCLA Reportable Quantity (RQ) –

Not listed

### CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other reproductive harm.

### CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## 16. OTHER INFORMATION

The information and recommendations contained herein are based on our best knowledge, **Cytotek Enterprises, Inc.** does not guarantee their accuracy or completeness. **No warranty of merchantability or any other warranty, express or implied is made.** **Cytotek Enterprises, Inc.** assumes no responsibility for results obtained or for incidental or consequential damages arising from the use of these data.

SDS Version: 1.0

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