



## MATERIAL SAFETY DATA SHEET

CytoTek Enterprises, Inc.

Emergency Phone: Chemtrec 800-424-9300

Effective Date: March 31, 2006

EPA Reg. No. 80518-2

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT NAME:** Agra-Rouse™

**PRODUCT DESCRIPTION:** Agra-Rouse™ is a blend of bio-stimulants containing synthetic and naturally occurring plant growth regulators and plant hormones that stimulates plant growth and development, enhances cell division, cell differentiation, cell enlargement, root growth, and nutrient utilization.

**COMPANY IDENTIFICATION:**

CytoTek Enterprises, Inc.

25414 Sugar Valley Lane

Spring, TX 77373

UNITED STATES

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

<u>Ingredient Name</u>	<u>Formula</u>	<u>CAS #</u>	<u>Composition</u>
Cytokinin, as Kinetin	C <sub>10</sub> H <sub>9</sub> N <sub>5</sub> O	525-79-1	0.05%
Gibberellic Acid (GA <sub>3</sub> )	C <sub>19</sub> H <sub>22</sub> O <sub>6</sub>	77-06-5	0.05%
Indole-3-Butyric Acid (IBA)	C <sub>12</sub> H <sub>13</sub> NO <sub>2</sub>	133-32-4	0.09%
Isopropyl Alcohol (Isopropanol)	C <sub>3</sub> H <sub>8</sub> O	67-63-0	0.13%

### 3. HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear goggles. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

**EFFECTS FROM OVEREXPOSURE:** Direct eye contact can create burning sensation.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Direct eye contact can cause moderate eye irritation.

### 4. FIRST AID

**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. FIRE-FIGHTING MEASURES

<b>Flash Point (Method):</b>	As formulated, this product is Non-Flammable
<b>Flammable Limits:</b>	N/A
<b>Fire and Explosion Hazard:</b>	None
<b>Means of Extinguishing:</b>	N/A
<b>Fire Fighting Instructions:</b>	N/A
<b>NFPA 704 Hazard Codes:</b>	Health – 1, Flammable – 0, Instability – 0, Other – N/A

## 6. ACCIDENTAL RELEASE MEASURES

Recover material according to product label directions whenever possible. Prevent material from entering surface water or intertidal areas below the mean high water mark.

## 7. HANDLING AND STORAGE

Wash hands before eating, drinking, chewing gum, using tobacco or using toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Clean water should be available for washing in case of eye or skin contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

**PERSONAL PROTECTIVE EQUIPMENT:**

**Respiratory Protection:** No requirements.

**Eyes and Face:** For splash, mist or spray exposure, wear chemical protective goggles or a face shield.

**Protective Clothing:** Wear long-sleeved shirt and long pants; shoes plus socks.

**Gloves:** No requirements.

Additional information on personal protective clothing for applicators of this product may be found on the product label.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid

**Odor:** No odor

**pH:** 4.3

**Specific Gravity:** 1.004 g/mL

**Vapor Pressure:** Unknown

**Solubility in Water:** Soluble

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** High temperatures and direct sunlight

**CHEMICAL STABILITY:** Stable

**CHEMICAL INCOMPATIBILITY:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** Will not occur

**CORROSIVE TO METAL:** No

**OXIDIZER:** No

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL TOXICITY

Oral LD<sub>50</sub> (rat): >2000 mg/kg

### ACUTE DERMAL TOXICITY

Dermal LD<sub>50</sub> (rat): > 2000 mg/kg

### ACUTE INHALATION TOXICITY

Inhalation LC<sub>50</sub> (rat): >2.0 mg/L (4 hrs.)

### EYE IRRITATION

Rabbit: Slightly irritating

### SKIN IRRITATION

Non-irritating

### DERMAL SENSITIZATION

Non-sensitizing

### CARCINOGENICITY:

ACGIH: Not Listed

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

CA Prop 65: Not Listed

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Environmental toxicity data is not available for formulated product.

### ECOTOXICOLOGICAL INFORMATION:

The following ecotoxicity values were obtained for the active ingredient Gibberellic Acid:

### FISH / INVERTEBRATE TOXICITY

96 hour LC<sub>50</sub>, Trout – >150 ppm

48 hour EC<sub>50</sub>, Daphnia – >143 mg/L

### AVIAN TOXICITY

Bobwhite Acute LD<sub>50</sub> – >2250 mg/kg

Bobwhite Dietary LC<sub>50</sub> – >4640 ppm

### BEE TOXICITY

Classified as relatively non-toxic.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Improper disposal of excess product, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### 14. TRANSPORT INFORMATION

This product is not regulated by DOT.

DOT PROPER SHIPPING NAME: N/A

DOT HAZARD CLASS OR DIVISION: N/A

DOT UN/NA NUMBER: N/A

DOT PACKING GROUP: N/A

REPORTABLE QUANTITY: N/A

MARINE POLLUTANT: Not Listed

DOT EMERGENCY RESPONSE GUIDE: N/A

#### 15. REGULATORY INFORMATION

##### U.S. FEDERAL REGULATIONS

FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

OSHA HAZARD COMMUNICATION STANDARD STATUS: Not Regulated

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311 Hazardous Categories

Immediate

SARA Title III – Section 312 Threshold Planning Quantity

10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients

Isopropyl Alcohol

CERCLA –

<u>Chemical Name</u>	<u>Wt.%</u>	<u>RQ</u>
None Listed	N/A	N/A

CALIFORNIA PROP 65 STATUS –

Not Listed

#### 16. OTHER INFORMATION

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

##### DISCLAIMER:

Seller warrants this product consists of the ingredients specified and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal use. No one other than an officer of CytoTek Enterprises, Inc. is authorized to make any warranty, guarantee, or directions for use

of this product. Because the time, place, rate of application and environmental conditions of use are beyond the seller's control, the seller's liability from handling, storage, and use of this product are limited to replacement of the product or a refund of the purchase price.