

SAFETY DATA SHEET

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

1. IDENTIFICATION

PRODUCT NAME: Agra-Rouse

DESCRIPTION: A liquid plant growth regulator.

EPA Reg. No.: 80518-2

COMPANY IDENTIFICATION:

CytoTek Enterprises, Inc.

21715 Tinsley Trails

Spring, TX 77388

2. HAZARD IDENTIFICATION

WARNING

May be harmful if swallowed

May be harmful in contact with skin

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Cytokinin, as Kinetin	N-(furan-2-ylmethyl)-7H-purin-6-amine	1214-39-7	0.05%
Gibberellic Acid (GA ₃)	(3S,3aS,4S,4aS,7S,9aR,9bR,12S)-7,12-dihydroxy-3-methyl-6-methylene-2-oxoperhydro-4a,7-methano-9b,3-propenoazuleno[1,2-b]furan-4-carboxylic acid	77-06-5	0.05%
Indole-3-Butyric Acid (IBA)	4-(1H-indol-3-yl)butanoic acid	133-32-4	0.09%
Isopropyl Alcohol (Isopropanol)	propan-2-ol	67-63-0	0.13%

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 1-800-424-9300 for emergency medical treatment information.

IF SWALLOWED: Call a doctor or poison control center if you feel unwell. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Call a doctor or poison control center if you feel unwell. Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

5. FIREFIGHTING MEASURES

Flash Point: Will not flash, non-flammable

Flammable Limits: N/A

Fire and Explosion Hazards: None known.

Extinguishing Medium: Water spray, dry foam, dry chemical, water fog, or CO₂.

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

Fire Fighting Instructions: Evacuate area and fight fire from a safe distance upwind. If possible, dike and collect water used to fight fire to prevent/minimize runoff.

Hazardous Combustion Products: None known.

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

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately. Isolate and post spill area. Wear protective clothing and personal protective equipment as prescribed in Section 8 of this SDS. Keep unprotected persons and animals out of the area.

Small Spills: Absorb spill with inert material such as dry sand, vermiculite or fuller's earth, then place in a chemical waste container.

Large Spills: Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse.

7. HANDLING AND STORAGE

Keep out of reach of children.

Handling: Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Storage: Store this product in its original container in a cool, dry locked place out of reach of children and out of direct sunlight. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Personal Protective Equipment: Wear long-sleeved shirt, long pants, and shoes plus socks.

General: Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear liquid

Odor: Odorless

pH: 5.3

Specific Gravity: 1.004 g/mL

Solubility: Soluble

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid high temperatures and direct sunlight.

CHEMICAL STABILITY: Product is stable.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

DERMAL TOXICITY (rabbit LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 2.0 mg/L (4-hour)

EYE IRRITATION: Rabbit – Slightly irritating

SKIN IRRITATION: Rabbit – Non-irritating

SKIN SENSITIZATION: Guinea Pig – not a contact sensitizer

CARCINOGENICITY:

EPA: Not Listed

ACGIH: Not Listed

NTP: Not Listed

IARC: Not Listed

OSHA: Not Listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

REPRODUCTIVE TOXICITY: Not known to cause reproductive or birth defects at normal exposure levels.

12. ECOLOGICAL INFORMATION

Environmental toxicity data is not available for the formulated product.

The following information is for the active ingredient, Gibberellic Acid:

AQUATIC TOXICITY:

Rainbow Trout (96-hr LC₅₀): > 150 ppm

Daphnia (48-hr EC₅₀): > 143 mg/L

AVIAN TOXICITY:

Bobwhite Quail (LC₅₀): > 2,250 mg/kg

Bobwhite Quail (8-day Dietary): > 4,640 ppm

BEE TOXICITY:

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: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US DOT:

Not regulated by DOT.

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. Causes moderate eye irritation. Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling.

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect seeds spilled during loading.

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

Immediate

SARA Title III – Section 312 Threshold Planning Quantity

N/A

SARA Title III – Section 313 Reportable Ingredients

Isopropyl Alcohol (CAS #67-63-0): 0.13%

CERCLA Reportable Quantity (RQ) –

N/A

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the state of California to cause cancer or 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

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.

SDS Version: 2.0 (conversion from MSDS)

Effective Date: 07/16/2015