

MATERIAL SAFETY DATA SHEET

IN CASE OF EMERGENCY CALL CHEMTREC 1-800-424-9300
OR NATIONAL PESTICIDE INFORMATION CENTER (NPIC) 1-800-858-7378

1. Identification of the substance/preparation and company/undertaking:

Product name: Fresco®
Use of product: Horticultural plant growth regulator for professional use
Supplier: Fine Americas, Inc.
1850 Mt. Diablo Blvd., Suite 405
Walnut Creek, CA 94596, USA
Tel: 925-932-8800

2. Composition/information on ingredients:

Product: A soluble concentrate containing Gibberellins A4A7 at 1.8% w/w and 6-benzyladenine at 1.8% w/w.
CAS No: GA4: 468-44-0
GA7: 510-75-8
6-BA: 1214-39-7
EPA Reg. No: 62097-6-82917

3. Hazards identification:

Toxicity category: III (EPA)

Caution. Keep out of reach of children.

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before re-use.

4. First aid measures:

After inhalation: Remove the person to a well ventilated area. Ensure the person is warm and comfortable. Call a poison control centre or doctor for treatment advice.

After skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

After eye contact: 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.

After swallowing: Call a poison control center or doctor immediately for treatment advice. 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.

5. Fire fighting measures:

Flammability:	Non flammable. Auto ignition 415°C, flash point 106°C.
Extinguishing media:	Use dry chemical, foam, CO ₂ , water mist.
Special exposure hazards:	May give rise to hazardous fumes in a fire. Protective clothing must be worn.
Products of combustion and decomposition:	Compounds of carbon and nitrogen.

6. Accidental release measures:

Personal precautions:	Wear protective clothing, see Section 8 "Exposure control/personal protection"
Environmental precautions:	Prevent contaminated water entering drains.
Methods for cleaning up:	In case of spillage use absorbent materials, e.g. sand or sawdust. Isolate spilled material for safe disposal and collect in sealable poly-lined containers. Ventilate area. Do not allow spillages to contaminate drains, soil or surface waters.

7. Handling and storage:

Handling:	Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
Storage:	Store in cool dry conditions in original well marked containers. Keep containers tightly closed when not in use.

8. Exposure controls/personal protection:

Applicators and other handlers must wear;

- Long sleeved shirt and long pants
- Protective eyewear
- Chemical resistant gloves
- Socks and shoes
- Chemical resistant apron when cleaning equipment, mixing or loading.

9. Physical and chemical properties:

General information:

- Appearance: Clear, colorless liquid
- Odor: Alcoholic

Important health, safety and environmental information:

- pH (1% solution): 4.2
- Boiling point: 187°C
- Flash point: 106°C closed cup
- Explosive properties: No explosive properties
- Oxidizing properties: No data

- Vapor pressure: 29.3 Pa @ 20°C (solvent)
5.5 X 10⁻⁶ Pa (6-BAP)
- Relative density (D₄²⁰): 1.04 g/ml

Solubility:

- Water solubility @ 20°C: Soluble
- Fat solubility: No data

Partition coefficient: -0.92 log P_{OW} (solvent)

Viscosity: 0.0665 Pa.s

Vapor density: 2.62 g/l

Evaporation rate: No data

Auto ignition: 415°C

10. Stability and reactivity:

Stable in original containers for at least 2 years at ambient temperatures.

Conditions to avoid: Excessive heat

Materials to avoid: Incompatible with strong oxidizing agents

Hazardous decomposition products: None under normal conditions of storage and use.

11. Toxicological information:

Acute toxicity:

- Oral: LD₅₀ rat : Category 3: 3400 mg/kg
- Inhalation: LC₅₀ (4 h) rat : Category 4: > 5.28 mg/l
- Dermal: LD₅₀ (4 h) rat: Category 3: > 4000 mg/kg

Irritation:

- Eye: Non-irritant
- Skin: Mild irritant
- Respiratory tract: No data
- Corrosivity: Not corrosive

Sensitization:

- Skin: Non-sensitizing

Carcinogenicity: Not carcinogenic (Active Ingredient)

Mutagenicity: Not mutagenic (Active Ingredient)

Reproductive toxicity: None

Chronic toxicity: No data

12. Ecological information:

Ecotoxicity (6-benzylaminopurine):

Fish: Non-toxic

Daphnia: Non-toxic

Algae: No data

Bird: No data

Bee: Non-toxic

General: This product is expected to be non-hazardous to the environment.

Persistence and degradability: Degrades rapidly under biological conditions.

13. Disposal considerations:

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

Packaging disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

14. Transport information:

UN number: Not applicable
NMFC number: 101685
Class: 065
Proper shipping name: Plant growth inhibitor, modifier or regulator
Packaging group: Not applicable
Marine Pollutant: Not applicable
Other applicable information: Not applicable

15. Regulatory information:

Chemical Name	SARA 313	SARA 302	CERCLA Reportable Quantity (RQ)	California Proposition 65
Gibberellins A4A7	Not Listed	Not Listed	None	Not Listed
6-benzylaminopurine	Not Listed	Not Listed	None	Not Listed

16. Other information:

For further information on the product and product use refer to the product label.

This version supersedes previous version (Jun 07). Prepared by Fine Americas, Inc. on the basis of the best available data. No representation is given that the information provided is complete in all respects.