

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: Blush®
Use of product: Horticultural plant growth regulator for professional use
Distributed by: 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 5.25 %w/w Prohydrojasmon
CAS No: 158474-72-7 (Active Ingredient)

3. Hazards identification:

Toxicity Category III (EPA)

CAUTION : causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Flammable liquid.
Vapors may cause drowsiness and dizziness

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:	Flammable liquid
Flash point:	33°C (Closed cup)
Extinguishing media:	Use CO ₂ , dry powder, foam. Never use a direct water jet
Special exposure hazards:	As supplied, product presents no explosion hazard. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined.
Fire fighting equipment:	Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

6. Accidental release measures:

Personal precautions:	Wear protective clothing, see Section 8 “Exposure control/personal protection”. Keep away from sources of ignition.
Environmental precautions:	Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. No significant environmental hazard or adverse effect from human exposure resulting from the accidental release of this material is anticipated.
Methods for cleaning up:	Do not empty into drains. Do not flush down sewers. Impound and recover large land spill; soak up small spill with inert solids.

7. Handling and storage:

Handling:	Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 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:	Do not use or store near heat or open flames. Avoid freezing. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose of as waste.

8. Exposure controls/personal protection:

Applicators and other handlers must wear;

- Long sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Keep and wash PPE separately from other laundry.

9. Physical and chemical properties:

General information:

- Appearance: Colourless to light yellow liquid
- Odor: Alcohol like

Important health, safety and environmental information:

- pH: 6.1
- Boiling Point: No data available
- Flash point: 330C (closed cup)
- Flammability: Flammable
- Explosive properties: Non-explosive
- Oxidising properties: No data available
- Vapour pressure: No data available
- Relative density (D204): Specific gravity (H2O=1): 0.955 at 20oC
- Solubility
- water solubility @ 20°C: Soluble
- solvent solubility: alcohol, ketone: soluble
- Partition coefficient: No data available

10. Stability and reactivity:

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

Materials to avoid: Avoid strong acids and oxidisers, nitric acid, hydrogen peroxide, hydrazine, hydroxylamine

Hazardous decomposition products: None known.

11. Toxicological information:

Acute toxicity:

- Oral: LD₅₀ Rat: >5000 mg/kg
- Inhalation: LC₅₀ Rat >0.5 mg/l (4 hours)
- Dermal: LD₅₀ Rat: >2000 mg/kg

Irritation:

- Eye: Severely irritating (rabbit)
- Skin: Non-irritating (rabbit)
- Respiratory tract: No data available

Sensitization:

- Skin: Non-sensitizing (Guinea pig)

Chronic toxicity: No data available

Carcinogenicity: No data available

Mutagenicity: No data available

Reproductive toxicity: No data available

12. Ecological information:

Ecotoxicity

- Acute toxicity:
 - Oryzias latipes: LC50 160 mg/l (24 hr), 77 mg/l (96 hr)
 - Daphnia magna: EC50 200 mg/l (24 hr), 60.2 mg/l (48 hr)
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- Growth inhibition:
 - Selenastrum capricornutum: *comparison with areas below growth curve
 - EbC50 107 mg/l (0-72 hr), NOECb 35.0 mg/l (0-72 hr)

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 this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Triple rinse as follows: Empty the remaining contents into application equipment or a tank mix and drain for 10 seconds after the flow begins to drip. Fill the container ¼ 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, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. Transport information:

UN number:	UN 1993
NMFC number:	101685
Class:	3
Proper shipping name:	Flammable liquid NOS – HAZMAT (contains n-propanol)
Packaging group:	III
Marine Pollutant:	No data available
Other applicable information:	No data available

15. Regulatory information:

Chemical Name	SARA 313	SARA 302	CERCLA Reportable Quantity (RQ)	California Proposition 65
Prohydrojasmon	Not Listed	Not Listed	None	Not Applicable

16. Other information:

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

This version supersedes all previous versions. 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.