

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: Piccolo® 10 XC

Use of product: 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: An emulsifiable concentrate containing 4% paclobutrazol

CAS No.: 076738-62-0 (active ingredient)

EINECS No.: 266-325-7 (active ingredient)

EPA Reg. No: 62097-25-82917

3. Hazards identification:

KEEP OUT OF REACH OF CHILDREN

Toxicity Category: I (EPA)

EPA Signal Word: Danger

Corrosive to eyes. Causes irreversible eye damage. Do not get in eyes or on clothing. Avoid contact with skin or clothing. Wear protective clothing (long-sleeved shirt, long pants, socks, and shoes) and eyewear such as goggles, face shield, or safety glasses, and gloves. 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 .

4. First aid measures:

After inhalation: Remove patient to fresh air, allow to rest and keep warm. If specific symptoms are evident, call a poisons control center 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: DO NOT induce vomiting! Rinse mouth out with water, but do not give anything to drink. Call a poison control center or doctor for treatment advice.

Extinguishing media:	For small fires use foam, carbon dioxide, halon or dry powder extinguishers. For large fires use foam or water-fog; avoid the use of water jets. Keep fire exposed containers cool by spraying with water.
Fire fighting equipment:	In the event of a fire, wear full protective clothing and approved self-contained breathing apparatus. Evacuate the area and fight fire from a safe distance.
Special exposure hazards:	Water used for extinguishing must be retained and not allowed to contaminate water courses.
Products of combustion and decomposition	Oxides of nitrogen produced in fire.

5. Accidental release measures:

Personal precautions:	See Section 8 "Exposure control/personal protection" for details.
Environmental precautions:	Do not contaminate water when disposing of equipment washwaters.
Methods for cleaning up:	On soil: Absorb into chemical absorbent, dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method. See Section 13. On water: None available.

6. Handling and storage:

Handling:	Do not apply this product in a way that will contact workers or other person, either directly or through drift.
Storage:	Do not contaminate water, food or feed by storage or disposal. Keep container closed when not in use.

7. Exposure controls/personal protection:

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made of any waterproof material such as Barrier Laminate, Butyl rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride, or Viton.
- Protective eye wear (goggles, face shield, or safety glasses).
- Shoes plus socks.

For washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

8. Physical and chemical properties:

General information:	
• Appearance:	Clear pale yellow liquid
• Odor:	Aromatic odor

Important health, safety and environmental information:

- Boiling point: >100°C
- Flash point: Approx 70°C
- pH (1% aqueous) 5 - 7
- Explosive properties: None
- Oxidizing properties: None
- Density at 20°C (kg/m³): 1.016 g/cm³
- Water Solubility: Completely miscible

These are typical values and do not constitute a specification.

9. Stability and reactivity:

- Stability: Stable in original containers for at least 2 years at ambient temperatures.
- Conditions to avoid: None known.
- Materials to avoid: Strong oxidizing agents and acids.
- Hazardous decomposition products: In fire emits oxides of nitrogen.

10. Toxicological information:

- Oral LD₅₀ rat: > 5000 mg/kg
- Dermal LD₅₀ rat: > 5000 mg/kg
 - Inhalation LC₅₀ rat (4hrs): > 2.14 mg/L
- Exposure hazard:
- Inhalation: Irritating to mucosal membranes.
 - Skin contact: Mildly irritating to skin. (category III) Non sensitiser.
 - Eye contact: Extremely irritating to eyes (category I)

11. Ecological information:

- Ecotoxicity (active ingredient):
- Fish: NOEC > 100 mg/l
 - Daphnia: NOEC > 100 mg/l
 - Algae: EC₅₀ >100 mg/l
 - Bird: LC₅₀ >7900 mg/kg diet for mallard ducks (active ingredient)
 - Bee: Acute oral NOEL>0.002 mg/bee; acute percutaneous>0.04 mg/bee (active ingredient)
 - Beneficial spp: No data
- Persistence and degradability: Half life of active ingredient is between 0.5-1.0 years in general, <42d in calcareous clay, <140 d in coarse, sandy loam.

12. Disposal considerations:

- Product disposal: Do not contaminate water, food or feed by storage or 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 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.

13. Transport information:

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

14. Regulatory information:

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

15. Other information:

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

This version supersedes previous version (0910). 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.