

## SAFETY DATA SHEET

1. Identification:		
Product Identifier:	Piccolo® 10 XC	
Other Means of Identification:	EPA registration number 62097-25-82917	
Distributed by:	Fine Americas, Inc. 1850 Mt. Diablo Blvd., Suite 405, Walnut Creek, CA 94596, USA Tel: 925-932-8800	
Emergency Phone Number:	Chemtrec 1-800-424-9300 (24 hours)	
Recommended Use:	Ornamental plant growth regulator	
Restrictions on Use:	Keep out of reach of children	
2. Hazard(s) Identification (This product is classified as hazardous as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):		
Class/Category:	Eye damage Category 1 STOT SE Category 3	
Route of Exposure:	Potential for exposure via Dermal, Oral and Inhalation routes	
Hazards Not Otherwise Classified:	None	
Signal word:	DANGER	
Symbol(s):		
Hazard Statements:	H318 Causes serious eye damage H335 May cause respiratory irritation	
Precautionary Statements:	Prevention: P261 Avoid breathing fumes/mist/vapours/spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear eye / face protection Response: P304+340+312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P310 Immediately call a POISON CENTER/doctor Storage: P403+233 Store in a well ventilated place. Keep container tightly closed. P405 Store locked up Disposal: P501 Dispose of contents/container to an approved waste disposal plant.	
3. Composition:		
This product contains the following components classified as hazardous under 29 CFR 1910.1200		
CAS number:	Component:	Percent:
76738-62-0	Paclobutrazol	4%
577-11-7	Sodium dioctyl sulfosuccinate	5-10%
136817-80-1	2-Ethylhexyl –S-lactate	30-40%
667-47-8	Ethyl-(S)-2-hydroxy propanate	30-40%
The remainder of the mixture is not required to be disclosed by 29 CFR 1910.1200.		

<b>4. First Aid Measures:</b>	
<b>Inhalation:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice
<b>Eyes:</b>	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice / attention.
<b>Skin:</b>	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
<b>Ingestion:</b>	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 to an unconscious person.
<b>Symptoms/Effects:</b>	Acute: Not known Delayed: Not known
<b>Indication of immediate medical attention and special treatment needed, if necessary:</b>	No applicable information
<b>5. Fire Fighting Measures:</b>	
<b>Extinguishing Media:</b>	Suitable: For small fires use foam, carbon dioxide, halon or dry powder extinguishers. For large fires use foam or water-fog. Keep fire exposed containers cool by spraying with water. Unsuitable: Avoid the use of water jets.
<b>Specific Hazards Arising from the Chemical:</b>	Water used for extinguishing must be retained and not allowed to contaminate water courses. Products of combustion and decomposition: carbon oxides and aldehydes. May evolve hazardous fumes.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear full protective clothing and self-contained breathing apparatus.
<b>6. Accidental Release Measures:</b>	
<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Refer to Section 8 “Exposure controls/personal protection”.
<b>Methods for Containment and Clean-Up:</b>	Isolate spilled material for safe disposal, using suitable absorbent media, and collect in sealable poly-lined containers. Clean contaminated area with water and dispose of waste water safely.  Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  See also Section 13. Disposal Considerations.
<b>7. Handling and Storage:</b>	
<b>Precautions for Safe Handling:</b>	Users should 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.
<b>Conditions for Safe Storage:</b>	Keep container closed when not in use.  See also Section 10. Stability and Reactivity.

## 8. Exposure Controls/Personal Protection:

Component Exposure Limits:					
Substance	OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH TLV
	ppm	Mg/m3	8-hr TWA (ST) STEL (C) Ceiling	Up to 10 hr TW (ST) STEL (C) Ceiling A	8-hr TWA (ST) STEL (C) Ceiling
No listed components	-	-	-	-	-
Appropriate Engineering Controls:			No applicable information available.		
Personal Protective Equipment:			<p>Eyes/Face: Protective eyewear (goggles, face shield, or safety glasses).</p> <p>Skin: Long-sleeved shirt and long pants. Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton. Shoes plus socks.</p> <p>Respiratory: No applicable information available.</p>		

## 9. Physical and chemical properties:

Appearance:	Clear/pale yellow liquid
Odor:	Aromatic
Odor Threshold:	No data available
pH:	5.5 (1% solution) at 70°F (21°C)
Melting Point/Freezing Point:	Not applicable
Boiling Point:	>212°F (100°C)
Flash Point:	Approx 158°F (70°C) (Closed cup)
Evaporation Rate:	No data available
Flammability/Limits:	Not flammable LFL: not applicable UFL: not applicable
Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	1.016 g/cm <sup>3</sup>
Solubility (H <sub>2</sub> O):	Completely miscible
Partition Coefficient:	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	24 cSt at 68°F (20°C)

## 10. Chemical Stability and Reactivity Information:

Reactivity:	No applicable information available
Chemical Stability:	Stable in original containers for at least 2 years at ambient temperatures. (40-70°F)
Possibility of Hazardous Reactions:	No applicable information available
Conditions to Avoid:	No applicable information available
Incompatible Materials:	No applicable information available
Hazardous Decomposition Products:	None under normal conditions of storage and use.

## 11. Toxicological Information:

Likely Routes of Exposure:	Dermal, Oral and Inhalation exposure routes possible		
Symptoms:	<p>Inhalation: Irritating to mucosal membranes</p> <p>Eye: Severe irritation</p> <p>Skin: mild irritation</p> <p>Ingestion: No data available</p>		
Acute Toxicity:	Oral:	LD <sub>50</sub> Rat >5,000 mg/kg	(EPA category IV)
	Inhalation:	LC <sub>50</sub> Rat >2.14 mg/l	(EPA category IV)
	Dermal:	LD <sub>50</sub> Rat >5,000 mg/kg	(EPA category IV)

<b>Skin Corrosion/Irritation:</b>	Mildly irritating to skin (rabbit) (EPA category III)
<b>Serious Eye Damage/Eye Irritation:</b>	Extremely irritating to eyes (rabbit) (EPA category I)
<b>Sensitization:</b>	Non-sensitizing (mouse)
<b>Germ Cell Mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	None of the components of this product are listed as carcinogens by NTP, IARC or OSHA.
<b>Reproductive/Developmental Toxicity:</b>	No data available.
<b>Specific Target Organ Toxicity:</b>	Single Exposure: No data available Repeated Exposure: No data available

## 12. Ecological Information:

<b>Ecotoxicity:</b>		
<b>Species:</b>	<b>Exposure Time</b>	<b>LC50/EC50/IC50</b>
Fish	96hr	NOEC >100 mg/l
Daphnia	48hr	NOEC >100 mg/l
Algae	72hr	EC50 >100 mg/L
Bird (Mallard Duck)	n/a	LC50 >7,900 mg/kg
Bee	n/a	NOEL >0.002 mg (oral) NOEL >0.04 mg (percutaneous)
<b>Persistence and Degradability:</b>	Half-life of active ingredient is between 0.5-1.0 years in general, <42d in calcareous clay, <140 d in coarse, sandy loam.	
<b>Bioaccumulation Potential:</b>	No data available.	
<b>Mobility in Soil:</b>	No data available.	
<b>Other Adverse Effects:</b>	None known	

## 13. Disposal Considerations:

<b>Disposal Instructions:</b>	Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container disposal: Non-refillable 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.
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## 14. Transport Information:

<b>UN Proper Shipping Name:</b>	Not applicable
<b>Hazard Class:</b>	Not applicable
<b>UN Number:</b>	Not applicable
<b>Packaging Group:</b>	Not applicable
<b>Marine Pollutant:</b>	Not applicable
<b>NMFC number/class:</b>	101685/065 Plant growth inhibitor, modifier or regulator, NOIBN

## 15. Regulatory Information:

<b>SARA:</b> No reportable components	
<b>CERCLA:</b>	No reportable components
<b>TSCA:</b>	All components of this product are either listed or are exempt on the TSCA inventory. The following components of this product are subject to the reporting requirements of Section 12(b) of TSCA: None
<b>Component Analysis – State:</b> The following components appear on one or more of the following state hazardous substances lists:	

Component	CAS	CA	MA	MN	NJ	PA	RI
No component listed							
California Prop 65:	No listings						
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. Following is the hazard information as required on the pesticide label.							
EPA signal word:	DANGER						
Classifications under 40 CFR 156.63 are given in sections 9 and 11 where applicable							
Precautionary Statements:	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.						
Pictograms/Symbols:	None						
16. Other Information:							
Fine Agrochemicals Limited ("FINE") warrants that this Product conforms to the specifications on this label. To the extent consistent with applicable law, FINE makes no other warranties and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. No agent of FINE or any other person is authorized to make any representation or warranty beyond those contained herein.							
It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance, or other unintended consequences may result because of factors such as abnormal weather conditions, use of the Product other than in strict accordance with this label's instructions, presence of other materials, the manner of application or other factors, all of which are beyond the control of FINE or the seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.							
To the extent consistent with applicable law: 1) FINE disclaims any liability whatsoever for special, incidental or consequential damages resulting from the handling or use of this Product and 2) FINE's liability under this label shall be limited to the amount of the purchase price or, at the election of FINE, the free replacement of the Product.							
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