


SAFETY DATA SHEET

1. Identification:

Product Identifier:	Piccolo® 10 XC
Other Means of Identification:	PCPA registration number 31809
Distributed by:	N.M. Bartlett Inc. 4509 Bartlett Rd, Beamsville, Ontario, L0R 1B1, Canada Tel: 905-563-8261
Emergency Phone Number:	Chemtrec 1-800-424-9300 (24 hours) Canutec 613-996-6666 (24 hours)
Recommended Use:	Plant growth regulator solution for use on container grown ornamental bedding plants and plugs
Restrictions on Use:	Keep out of reach of children

2. Hazard(s) Identification (This product is classified as hazardous as defined by Hazardous Products Regulations SOR/2015-17):

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:

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 SOR/2015-17		

4. First Aid Measures:

Inhalation:	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
Eyes:	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.
Skin:	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
Ingestion:	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.
Symptoms/Effects:	Acute: Not known Delayed: Not known
Indication of immediate medical attention and special treatment needed, if necessary:	No applicable information

5. Fire Fighting Measures:

Extinguishing Media:	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.
Specific Hazards Arising from the Chemical:	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.
Protective equipment and Precautions for Firefighters:	Wear full protective clothing and self-contained breathing apparatus.

6. Accidental Release Measures:

Personal Precautions, Protective Equipment and Emergency Procedures:	See Section 8 “Exposure controls/personal protection”
Methods for Containment and Clean-Up:	Isolate spilled material for safe disposal and collect in sealable poly-lined containers, clean contaminated area with water. Prevent water from entering drains. 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.

7. Handling and Storage:

Precautions for Safe Handling:	Avoid contact with skin and clothing. CORROSIVE to the eye. DO NOT get in eyes. Wash hands thoroughly with soap and water after using, and before eating, drinking, smoking or using the toilet. Wear chemical resistant coveralls over long sleeved shirt and long pants, chemical-resistant gloves, socks and chemical-resistant footwear, goggles or face shield during mixing, loading, application, clean up and repair. When handling plants treated with this product, wear gloves. If pesticide is spilled on clothing, remove IMMEDIATELY. Wash thoroughly and put on clean clothing. Wash work clothing separately from household laundry. Remove personal protective clothing IMMEDIATELY after handling this product. Wash the outside of gloves
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	<p>before removing.</p> <p>Do not contaminate feed or food.</p> <p>Do not re-enter the treated area for 12 hours following application.</p>
Conditions for Safe Storage:	Avoid contamination of seed, feed and foodstuffs. Keep container closed when not in use. See also Section 10. Stability and Reactivity.

8. Exposure Controls/Personal Protection:

Component Exposure Limits:							
Substance	Canada Ontario		Canada Quebec		Canada Saskatchewan		ACGIH TLV
	ppm STEL	ppm TWA	ppm STEV	Mg/m3 TWAEV	ppm STEL	ppm TWA	8-hr TWA (ST) STEL (C) Ceiling
No components listed	-	-	-	-	-	-	
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 ³
Solubility (H₂O):	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:	Inhalation: Irritating to mucosal membranes Eye: Severe irritation Skin: mild irritation Ingestion: No data available
Acute Toxicity:	Oral: LD ₅₀ Rat >5,000 mg/kg (EPA category IV)
	Inhalation: LC ₅₀ Rat >2.14 mg/l (EPA category IV)
	Dermal: LD ₅₀ Rat >5,000 mg/kg (EPA category IV)
Skin Corrosion/Irritation:	Mildly irritating to skin (rabbit) (EPA category III)
Serious Eye Damage/Eye Irritation:	Extremely irritating to eyes (rabbit) (EPA category I)
Sensitization:	Non-sensitizing (mouse)
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	None of the components of this product are listed as carcinogens by NTP, IARC or OSHA.
Reproductive/Developmental Toxicity:	No data available.
Specific Target Organ Toxicity:	Single Exposure: No data available Repeated Exposure: No data available

12. Ecological Information:

Ecotoxicity:		
Species:	Exposure Time	LC50/EC50/IC50
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)
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.	
Bioaccumulation Potential:	No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	None known	

13. Disposal Considerations:

Disposal Instructions:	Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site: 1. Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 2. Make the empty, rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.
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14. Transport Information:

UN/TDG Proper Shipping Name:	Not applicable
Hazard Class:	Not applicable
UN/TDG Number:	Plant growth inhibitor, modifier or regulator
Packing group:	Not applicable
Marine Pollutant:	No
NMFC Number:	101685/65 Plant growth inhibitor, modifier or regulator, NOIBN

15. Regulatory Information:

DSL/NDSL:	577-11-7 and 687-47-8 listed in DSL, 186817-80-1 listed in NDSL
TSCA:	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
This chemical is a pesticide product registered by the Pest Management Regulatory 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.	
PMRA signal word:	None
Precautionary Statements:	<p>KEEP OUT OF REACH OF CHILDREN.</p> <p>Harmful if absorbed through skin. Avoid contact with skin and clothing. CORROSIVE to the eye. DO NOT get in eyes.</p> <p>Wash hands thoroughly with soap and water after using, and before eating, drinking, smoking or using the toilet.</p> <p>Wear chemical resistant coveralls over long sleeved shirt and long pants, chemical-resistant gloves, socks and chemical-resistant footwear, goggles or face shield during mixing, loading, application, clean up and repair. When handling plants treated with this product, wear gloves.</p> <p>If pesticide is spilled on clothing, remove IMMEDIATELY. Wash thoroughly and put on clean clothing. Wash work clothing separately from household laundry.</p> <p>Remove personal protective clothing IMMEDIATELY after handling this product. Wash the outside of gloves before removing.</p> <p>Do not contaminate feed or food.</p> <p>Do not re-enter the treated area for 12 hours following application.</p> <p>Avoid spray drift onto other plants.</p>
Pictograms/Symbols:	None
16. Other Information:	
None	
Issue Date/Version:	5/19/17 version 4
Supersedes:	10/18/16 version 3