


SAFETY DATA SHEET

1. Identification:		
Product Identifier:	Blush®	
Other Means of Identification:	PCPA registration number 32167	
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 apples	
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:	Flammable liquid, category 3	
Route of Exposure:	Eye irritant, category 2A	
Hazards Not Otherwise Classified:	None	
Signal Word:	WARNING	
Symbol(s):		
Hazard Statements:	H225 Highly flammable liquid and vapor H319 Causes serious eye irritation	
Precautionary Statements:	<p>Prevention:</p> <p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233: Keep container tightly closed.</p> <p>P240: Ground/bond container and receiving equipment</p> <p>P241: Use explosion-proof electrical/ventilating/lighting equipment</p> <p>P242: Use only non-sparking tools.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection</p> <p>Response:</p> <p>P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower</p> <p>P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing</p> <p>P337+313: If eye irritation persists get medical advice/attention.</p> <p>P370+378: In case of fire: Use CO2 or chemical foam to extinguish</p> <p>Storage:</p> <p>P403+235: Store in a well ventilated place. Keep cool.</p> <p>Disposal:</p> <p>P501: Dispose of contents/container to an approved waste disposal facility.</p>	
3. Composition:		
CAS number:	Component:	Percent:
158474-72-7	Prohydrojasmon	5.25%
63089-86-1	Polyoxyethylene(60) sorbitol tetraoleate	30%
71-23-8	n-propanol	33%
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:	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 centre or doctor for treatment advice.						
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.						
Ingestion:	Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.						
Symptoms/Effects:	Acute: Unknown Delayed: Unknown						
Indication of immediate medical attention and special treatment needed, if necessary:	No available information						
5. Fire Fighting Measures:							
Extinguishing Media:	Suitable: CO ₂ , dry powder foam. Unsuitable: Never use a direct water jet.						
Specific Hazards Arising from the Chemical:	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.						
Protective Equipment and Precautions for Firefighters:	Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.						
6. Accidental Release Measures:							
Personal Precautions, Protective Equipment and Emergency Procedures:	Refer to Section 8 "Exposure Controls/Personal Protection"						
Methods for Containment and Clean-Up:	In case of leak or spill, use absorbent materials to contain liquids and dispose as waste. See also Section 13. Disposal Considerations.						
7. Handling and Storage:							
Precautions for Safe 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.						
Conditions for Safe Storage:	Avoid freezing. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose of as waste. 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
n-propanol	-	100	250	200	400	200	100ppm
Appropriate Engineering Controls:				No applicable information available.			
Personal Protective Equipment:				Eyes/Face: Use suitable goggles/face mask. Skin: Long-sleeved shirt and long pants. Waterproof gloves. Shoes plus socks. Respiratory: No applicable information available			

9. Physical and Chemical Properties:

Appearance:	Clear colorless liquid
Odor:	Odorless
Odor Threshold:	No data available
pH:	7.5
Melting Point/Freezing Point:	No data available
Boiling Point:	~ 212°F (100°C)
Flash Point:	91°F (33°C) (closed cup)
Evaporation Rate:	No data available
Flammability/Limits:	Flammable LFL: no data available UFL: no data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	1.00 g/ml at 68°F (20°C)
Solubility (H₂O):	Completely soluble
Partition Coefficient:	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	1.59 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/4.4°C-21°C)
Possibility of Hazardous Reactions:	No applicable information available.
Conditions to Avoid:	Excessive heat
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Products:	No applicable information available

11. Toxicological Information:


Likely Routes of Exposure:	Eye contact, skin contact
Symptoms:	Inhalation: Non-irritant Eye: Moderate irritant Skin: Non-irritant Ingestion: No data available
Acute Toxicity:	Oral: LD ₅₀ Rat >2000 mg/kg Inhalation: LC ₅₀ Rat >5.31 mg/l Dermal: LD ₅₀ Rat >2000 mg/kg
Skin Corrosion/Irritation:	Non-irritant
Serious Eye Damage/Eye Irritation:	Moderate eye irritant
Sensitization:	Non-sensitizing
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
Per available data, substance is not harmful to aquatic life		
Persistence and Degradability:	Active ingredient is non-toxic and degrades rapidly under biological conditions.	
Bioaccumulation Potential:	No data available.	

Mobility in Soil:	Completely soluble in water
Other Adverse Effects:	None known
13. Disposal Considerations:	
Disposal Instructions:	<p>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:</p> <ol style="list-style-type: none"> 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. <p>If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.</p> <p>For information on the disposal of unused, unwanted product, contact the manufacturer and the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills</p>
14. Transport Information:	
UN/TDG Proper Shipping Name:	Flammable liquid n.o.s. (contains isopropanol)
Hazard Class:	3
UN/TDG Number:	UN1993
Packing Group:	III
Marine Pollutant:	No
NMFC Number:	101685/085
15. Regulatory Information:	
DSL/NDSL:	71-23-8 listed in DSL / 63089-86-1 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: ?
<p>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.</p>	
PMRA signal word:	WARNING – EYE IRRITANT
Precautionary Statements:	<p>KEEP OUT OF REACH OF CHILDREN.</p> <p>Causes eye irritation. DO NOT get in eyes. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before re-use.</p> <p>Wear long pants, a long-sleeved shirt, shoes plus socks, chemical-resistant gloves and goggles or a face shield during mixing, loading, application, clean-up, and repair activities.</p> <p>Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</p> <p>Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools, and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.</p> <p>Do not enter or allow worker entry into treated areas until dry.</p> <p>Do not contaminate feed or food.</p>

Product: Blush
Issue Date: 5/19/17
Version: 5

Pictograms/Symbols:		
16. Other Information:		
None		
Issue Date/Version:	5/19/17 version 5	
Supersedes:	6/24/16 version 4	