


SAFETY DATA SHEET

1. Identification:	
Product Identifier:	Blush®
Other Means of Identification:	EPA registration number 62097-29-82917
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:	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 OSHA Hazard Communication Standard, 29 CFR 1910.1200):	
Class/Category:	Flammable liquid, category 3, Eye irritant, category 2A
Route of Exposure:	Potential routes of exposure - Oral, Dermal, Inhalation
Hazards Not Otherwise Classified:	None
Signal word:	WARNING
Symbol(s):	
Hazard Statements:	H226 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>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>P243: Take precautionary measures against static discharge</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. 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 P337+313: If eye irritation persists get medical advice/attention. P370+378: In case of fire: Use CO2 or chemical foam to extinguish Storage: P403+235: Store in a well ventilated place. Keep cool. Disposal: P501: Dispose of contents/container to an approved waste disposal facility.</p>
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3. Composition:

This product contains the following components classified as hazardous under 29 CFR 1910.1200		
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 29 CFR 1910.1200.		

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 center 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 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: 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.
Other Information:	US Regulations may require reporting of spills of hazardous materials. See Section. 15 Regulatory Information for details on reportable quantities, if any.

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	OSHA PEL		Ca/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
n-propanol	200	500	200ppm (ST) 250ppm	200ppm (ST) 250ppm	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) (EPA combustible)
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
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)
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 (EPA Cat III)
	Inhalation: LC ₅₀ Rat >5.31 mg/l (EPA Cat IV)
	Dermal: LD ₅₀ Rat >2000 mg/kg (EPA Cat III)
Skin Corrosion/Irritation:	Non-irritant (EPA Cat IV)
Serious Eye Damage/Eye Irritation:	Moderate eye irritant (EPA Cat II)
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:	No data available		
Bioaccumulation Potential:	No data available		
Mobility in Soil:	Completely soluble in water		
Other Adverse Effects:	None known		

13. Disposal Considerations:

Disposal Instructions:	Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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, or 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:

UN Proper Shipping Name:	Flammable liquid n.o.s. (contains n-propanol)
Hazard Class:	3
UN Number:	UN1993
Packing Group:	III
Marine Pollutant:	No
NMFC Number:	101685/085

15. Regulatory Information:

SARA:	No reportable components
CERCLA:	No reportable components
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

Component Analysis – State:
 The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
n-Propanol	71-23-8	✓			✓	✓	✓

California Prop 65: No components listed in Ca Prop 65

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

Product: Blush
 Issue Date: 5/18/17
 Version: 5

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:	CAUTION
Classifications under 40 CFR 156.63 are given in sections 9 and 11 where applicable	
Precautionary Statements:	KEEP OUT OF REACH OF CHILDREN. Hazards To Humans And Domestic Animals. 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.
Pictograms/Symbols:	None
16. Other Information:	
<p>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.</p> <p>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.</p> <p>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.</p>	
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