

SAFETY DATA SHEET

1. Identification:		
Product Identifier:	Crest	
Other Means of Identification:	EPA registration number 62097-51-82917	
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 for use on non-bearing trees, shrubs, flowering plants and ornamentals.	
Restrictions on Use:	Keep out of reach of children	
2. Hazard(s) Identification (This product is not classified as hazardous as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):		
Class/Category:	Not Classified	
Route of Exposure:	Most likely exposure routes are dermal and oral.	
Hazards Not Otherwise Classified:	None known	
Signal word:	None	
Symbol(s):	None	
Hazard Statements:	None assigned	
Precautionary Statements:	Prevention: None assigned Response: None assigned Storage: None assigned Disposal: None assigned	
3. Composition:		
This product contains the following components classified as hazardous under 29 CFR 1910.1200		
CAS number:	Component:	Percent:
77-92-9	Citric acid	0.1
128-37-0	Butylated hydroxytoluene	0.1
77-06-5	Gibberllic acid	0.005
133-32-4	Indole-3-butyric acid	0.005
525-79-1	Kinetin	0.01
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:	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: No available information Delayed: No available information	
Indication of immediate medical attention and special treatment needed, if necessary:	No available information	

5. Fire Fighting Measures:

Extinguishing Media:	Suitable: Water mist, CO ₂ , foam or dry powder. Unsuitable: High power water jet
Specific Hazards Arising from the Chemical:	At very high temperatures will decompose to form carbon, nitrogen, compounds and aldehydes.
Protective Equipment and Precautions for Firefighters:	Self-contained breathing apparatus recommended for tackling chemical fires.

6. Accidental Release Measures:

Personal Precautions, Protective Equipment and Emergency Procedures:	See Section 8 "Exposure controls/personal protection"
Methods for Containment and Clean-Up:	Contain/absorb with non-combustible absorbent material (e.g. sand, earth, vermiculite, chemical absorbent) and place in suitable, closable container for safe disposal. 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 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.
Conditions for Safe Storage:	Keep container tightly closed when not in use. Store below 75°F. 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/m ³	8-hr TWA (ST) STEL (C) Ceiling	Up to 10 hr TW (ST) STEL (C) Ceiling A	8-hr TWA (ST) STEL (C) Ceiling
Butylated hydroxytoluene	-	-	-	10mg/m ³	
Appropriate Engineering Controls:	Ensure good ventilation. Arrange for eye wash possibility.				
Personal Protective Equipment:	Eyes/Face: No applicable information available. Skin: Long-sleeved shirt and long pants. Shoes plus socks. Respiratory: No applicable information available.				

9. Physical and chemical properties:

Appearance:	Colorless to pale yellow liquid
Odor:	Very faint mild odor
Odor Threshold:	Not applicable
pH:	4.0 (1% solution)
Melting Point/Freezing Point:	No data available
Boiling Point:	Approx 370°F (188°C)
Flash Point:	> 212°F (>100°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:	1.04 g/cm ³
Solubility (H₂O):	Soluble
Partition Coefficient:	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available

Viscosity:	52 cSt at 68°F and 25 cSt at 104°F
10. Chemical Stability and Reactivity Information:	
Reactivity:	Stable under recommended storage and handling conditions.
Chemical Stability:	Stable under recommended storage and handling conditions.(40-70°F)
Possibility of Hazardous Reactions:	Stable under recommended storage and handling conditions.
Conditions to Avoid:	Protect from high temperatures and sources of ignition.
Incompatible Materials:	Avoid accidental contact with strong acidic or alkaline solutions or oxidizing materials.
Hazardous Decomposition Products:	None known
11. Toxicological Information:	
Likely Routes of Exposure:	Contact with skin and eyes or by inhalation of spray
Symptoms:	Inhalation: No data available Eye: Non-irritant Skin: Non-irritant Ingestion: No data available
Acute Toxicity:	Oral: (rat) >5000 mg/kg (EPA category IV) Inhalation: (rat) >5.1 mg/l (EPA category IV) Dermal: (rat) >5050 mg/kg (EPA category IV)
Skin Corrosion/Irritation:	Non-irritant. (rabbit) (EPA category IV)
Serious Eye Damage/Eye Irritation:	Non-irritant. (rabbit) (EPA category IV)
Sensitization:	Non-sensitizing (Buehler method, guinea pig)
Germ Cell Mutagenicity:	Not classified. No classified components
Carcinogenicity:	None of the components of this product are listed as carcinogens by NTP, IARC or OSHA.
Reproductive/Developmental Toxicity:	Not classified. No classified components
Specific Target Organ Toxicity:	Single Exposure: Not classified. No classified components Repeated Exposure: Not classified. No classified components
12. Ecological Information:	
Ecotoxicity:	
Persistence and Degradability:	No data available.
Bioaccumulation Potential:	No data available.
Mobility in Soil:	No data available.
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. Container disposal: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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, if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.
14. Transport Information:	
UN Proper Shipping Name:	Not applicable
Hazard Class:	Not applicable

UN Number:	Not applicable						
Packaging Group:	Not applicable						
Marine Pollutant:	Not applicable						
NMFC number/class:	101685/065 Plant growth inhibitor, modifier or regulator, NOIBN						
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
Butylated hydroxytoluene	128-37-0	✓	-	✓	✓	✓	✓
California Prop 65:	No component listed						
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:	None						
Classifications under 40 CFR 156.63 are given in sections 9 and 11 where applicable							
Precautionary Statements:	KEEP OUT OF REACH OF CHILDREN.						
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>							
Issue Date/Version:	1/13/20 Version 1						
Supersedes:	Not applicable						