

SAFETY DATA SHEET

1. Identification:					
Product Identifier:		Citadel®			
Other Means of Identification:		EPA registration number 62097-21-82917			
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 orname	ntals		
Restrictions on Use:		Keep out of reach of children			
2. Hazard(s) Identificati Standard, 29 CFR 1910.12		t is not classified as hazardous as defined by OS	HA Hazard Communication		
Class/Category:		Not Classified			
Route of Exposure:		Most likely exposure routes are dermal a	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			
		fied as hazardous under 29 CFR 1910.1			
	tollowing com	ponents classified as hazardous under 29			
CAS number:	Chlormean	Component:	Percent:		
999-81-5 68515-73-1	Chlormequa	it chioride Ipolyglucoside	<u>11.8%</u> 5.1%		
65-85-0	Benzoic acio		0.41%		
		uired 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 o			
		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: Ingestion:		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			
		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		No available information			
attention and special treatment					
needed, if necessary:					
5. Fire Fighting Measures:					
Extinguishing Media: Specific Hazards Arising from the		Suitable: Water mist, CO ₂ , foam or dry chemical			
		Unsuitable: High power water jet Avoid inhalation of combustion products. High temperature			



Chemical:		decomposition would be expected to liberate hydrogen chloride and alkylamines.				
Protective Equipment and Precautions for Firefighters:		Wear full protective clothing and self-contained breathing apparatus.				
6. Accidental Release Measu	ures:					
Personal Precautions, Protective Equipment and Emergency Procedures:		Refer to Section 8 "Exposure controls/personal protection"				
Methods for Containment and Clean-Up:		Clean up spill immediately. Absorb spill with inert material (such as dry sand or earth), the place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with addition absorbent and place in a chemical waste container.				
		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:			ud wood boods before	ootion duintin		
Precautions for Safe Handling:		Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing 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:		Do not contaminate water, food or feed by storage or disposal. Keep containers tightly closed when not in use. Store in cool, dry place. Protect from temperatures below 32°F. This product may freeze. If freezing should occur, thaw and shake gently to mix the product. Do not store diluted product. Store in original container. Do not store below freezing temperatures. See also Section 10. Stability and Reactivity.				
8. Exposure Controls/Persor		ction:				
Component Exposure Limits		ction:				
	s:	ction: IA PEL	Cal/OSHA PEL	NIOSH REL	ACGIH TLV	
Component Exposure Limits	s:		Cal/OSHA PEL 8-hr TWA (ST) STEL (C) Ceiling	NIOSH REL Up to 10 hr TW (ST) STEL (C) Ceiling A	ACGIH TLV 8-hr TWA (ST) STEL (C) Ceiling	
Component Exposure Limits	s: OSH	IA PEL	8-hr TWA (ST) STEL	Up to 10 hr TW (ST) STEL	8-hr TWA (ST) STEL	
Component Exposure Limits Substance No component listed	s: OSH ppm -	IA PEL Mg/m3	8-hr TWA (ST) STEL	Up to 10 hr TW (ST) STEL (C) Ceiling A -	8-hr TWA (ST) STEL	
Component Exposure Limits Substance No component listed Appropriate Engineering Con Personal Protective Equipme	s: OSH ppm - ntrols: ent:	IA PEL Mg/m3	8-hr TWA (ST) STEL (C) Ceiling - ble information availab No applicable info Long-sleeved shirt	Up to 10 hr TW (ST) STEL (C) Ceiling A - le. rmation available. t and long pants. S	8-hr TWA (ST) STEL (C) Ceiling -	
Component Exposure Limits Substance No component listed Appropriate Engineering Con Personal Protective Equipme 9. Physical and chemical pro	s: OSH ppm - ntrols: ent:	IA PEL Mg/m3 - No applical Eyes/Face: Skin: Respiratory	8-hr TWA (ST) STEL (C) Ceiling - ole information availab No applicable info Long-sleeved shirt /: No applicable info	Up to 10 hr TW (ST) STEL (C) Ceiling A - le. rmation available. t and long pants. SI rmation available.	8-hr TWA (ST) STEL (C) Ceiling -	
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Vapor Pressure:	No data available					
Vapor Density:	No data available					
Relative Density:	1.025 g/ml at 68°F (20°C)				
Solubility (H ₂ O):	Miscible					
Partition Coefficient:	No data available					
Auto-Ignition Temperature:	No data available					
	No data available					
Decomposition Temperature: Viscosity:	Between 1.1 and 2.0 cSt	at 60%E				
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10. Chemical Stability and Reactivity		a available				
Reactivity:	No applicable information		a at anabiant			
Chemical Stability:	temperatures. (40-70°F)	Stable in original containers for at least 2 years at ambient temperatures. (40-70°F)				
Possibility of Hazardous	No applicable information	n available				
Reactions:						
Conditions to Avoid:	Excessive heat. Do not s	tore at temperatures	below 32°F.			
Incompatible Materials:	No applicable information	n available				
Hazardous Decomposition	No applicable information					
Products:						
11. Toxicological Information:						
Likely Routes of Exposure:	Most likely exposure by Dermal or oral route					
Symptoms:	Inhalation: No data avail	able				
	Eye: Non-irritant					
	Skin: Non-irritant					
	Ingestion: No data avail	able				
Acute Toxicity:		0-5,000 mg/kg (EPA				
	Inhalation: LC50 Rat >5.0) mg/l (EPA	category IV)			
	Dermal: LD ₅₀ Rat >5,0	000 mg/kg (EPA	category IV)			
Skin Corrosion/Irritation:	Non-irritant					
Serious Eye Damage/Eye Irritation:	Non-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.		sted as carcinogens by			
Reproductive/Developmental	No data available.					
Toxicity:						
Specific Target Organ Toxicity:	Single Exposure: No data available					
opcome rarget organ realery.		Repeated Exposure: No data available				
12. Ecological Information:						
Ecotoxicity:			1			
Species:		Exposure Time	LC50/EC50/IC50			
Fish (Mirror Carp and Rainbow Trout)		96 hr	LC50 >100 mg/l			
Daphnia		48 hr	EC50 >16.9 mg/l			
Algae		72 hr	EC ₅₀ >100 mg/L			
Bees – This product is non-toxic to bee		48 hr	LD50 >2250 mg/kg			
Persistence and Degradability:	In soil the material is quid influence on soil microflo		robial activity. It had no			
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:					





Classifications under 40 CFR 156.63 are	given in sections 9 and 11 where applicable	
Precautionary Statements:	HAZARDS TO HUMANS AND DOMESTIC ANIMALS	
	CAUTION	
	Harmful if swallowed. Wash thoroughly with soap and water after	
	handling and before eating, drinking, chewing gum, using tobacco or	
	using the toilet.	
Pictograms/Symbols:	None	
16. Other Information:		
the extent consistent with applicable law, express or implied, including but not limit	rrants that this Product conforms to the specifications on this label. To FINE makes no other warranties and disclaims all other warranties, ed to warranties of merchantability and fitness for a particular purpose. authorized to make any representation or warranty beyond those	
unintended consequences may result be Product other than in strict accordance w	ciated with this Product. Plant injury, lack of performance, or other cause of factors such as abnormal weather conditions, use of the vith this label's instructions, presence of other materials, the manner of are beyond the control of FINE or the seller. To the extent consistent e assumed by the Buyer.	
consequential damages resulting from th	aw: 1) FINE disclaims any liability whatsoever for special, incidental or the handling or use of this Product and 2) FINE's liability under this label thase price or, at the election of FINE, the free replacement of the	
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Supersedes:	11/23/15 version 6	