Version: 7



SAFETY DATA SHEET

4					
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 Num	ber:	Chemtrec 1-800-424-9300 (24 hours)			
Recommended Use:		Plant growth regulator for use on orname	entals		
Restrictions on Use:		Keep out of reach of children			
Hazard(s) IdentificationStandard, 29 CFR 1910.120		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 Statemen	ıts:	Prevention: None assigned			
Trocumentary comments		Response: None assigned			
		Storage: None assigned			
		Disposal: None assigned			
3. Composition: (Comp	onants classi	fied as hazardous under 29 CFR 1910.1	200)		
		ponents classified as hazardous under 29			
CAS number:		Component:	Percent:		
999-81-5	Chlormequa		11.8%		
68515-73-1		rlpolyglucoside	5.1%		
65-85-0	Benzoic acid		0.41%		
		uired to be disclosed by 29 CFR 1910.120			
4. First Aid Measures:	iare is not requ	direct to be disclosed by 20 Of It 1010.120	0.		
Inhalation:		Move person to fresh air. If person is not	t broothing, call 011 or an		
iiiiaiatioii.		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			
Ly00.		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			
mgostion.		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			
- J p		Delayed: No available information			
Indication of immediate medical		No available information			
attention and special treatment					
needed, if necessary:					
5. Fire Fighting Measure	es:				
Extinguishing Media:		Suitable: Water mist, CO ₂ , foam or dry chemical			
Extinguishing wedia:		Unsuitable: High power water jet			
Specific Hazards Arising	a from the	Avoid inhalation of combustion products. High temperature			
Chemical:		decomposition would be expected to liberate hydrogen chloride and			
Chemical.					

Version: 7



		alkylamines					
Protective Equipment and				I self-contained breathing apparatus.			
Precautions for Firefighters:		vvcai idii pi	otcouve clothing and	ocii-contained brea	uning apparatus.		
6. Accidental Release Measu							
Personal Precautions, Protective Equipment and Emergency Procedures:		Refer to Se	ection 8 "Exposure cor	ntrols/personal prote	ection"		
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.					
7 Llondling and Stanson		See also Se	ection 13. Disposal Co	onsiderations.			
7. Handling and Storage:		Hoore share	uld wooh handa hafe	ooting drinking -	owing gum		
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	nal Prote		,	,			
Component Exposure Limits							
Substance		IA PEL	Cal/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		
No component listed	-						
Appropriate Engineering Co	ntrols:	No applicable information available.					
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 pro	operties:		with yor and a street	polor			
Appearance:		Clear liquid with very pale straw color					
Odor:		Soapy No data available					
Odor Threshold: pH:		4.22					
pn: Melting Point/Freezing Point:		No data available					
Boiling Point:		>212°F (100°C)					
Flash Point:		Does not flash					
Evaporation Rate:		No data available					
Flammability/Limits:		Not flammable					
		LFL: not applicable					
Vapor Pressure:		UFL: not applicable No data available					
vapor Pressure:		างบ นลเล ลง	alidDIE				

Version: 7



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			
Decomposition Temperature:	No data available			
Viscosity:	Between 1.1 and 2.0 cSt	at 68°F		
10. Chemical Stability and Reactivity				
Reactivity:	No applicable information	n available		
Chemical Stability:	Stable in original contain		s at amhient	
onemour otubility.	temperatures. (40-70°F)	ors for at loast 2 year	o at ambient	
Possibility of Hazardous	No applicable information	n available		
Reactions:	146 applicable illerination	ravallabio		
Conditions to Avoid:	Excessive heat. Do not s	tore at temperatures	below 32°F	
Incompatible Materials:	No applicable information		DCIOW 02 1 .	
Hazardous Decomposition	No applicable information			
Products:	110 applicable illioillation	i a fallable		
11. Toxicological Information:				
Likely Routes of Exposure:	Most likely exposure by [Dermal or oral routo		
Symptoms:	Inhalation: No data availa			
Symptoms.	Eye: Mild, transien			
	Skin: Non-irritant	t irriation		
	Ingestion: No data availa	ahle		
Acute Toxicity:		0-5,000 mg/kg (EPA	catagory III)	
Acute Toxicity.	Inhalation: LC ₅₀ Rat >5.0			
			category IV)	
Skin Corrosion/Irritation:	Dermal: LD ₅₀ Rat >5,0		category IV)	
	Non-irritant Transient irritation not su		category IV)	
Serious Eye Damage/Eye Irritation:		mcient for classificati	on (EPA category IV)	
Sensitization:	Non-sensitizing			
Germ Cell Mutagenicity:	No data available	-f 4 -: :	And an armsin arms but	
Carcinogenicity:	None of the components	of this product are is	sted as carcinogens by	
Panyaduativa/Davalanmantal	NTP, IARC or OSHA. No data available.			
Reproductive/Developmental	No data avallable.			
Toxicity: Specific Target Organ Toxicity:	Single Exposure: No	data available		
Specific rarget Organ Toxicity:	Repeated Exposure: No data available			
40. Easlanias linformations	Repeated Exposure. No	uala avallable		
12. Ecological Information:				
Ecotoxicity:		Evaceure Times	1.050/5050/1050	
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		robial activity. It had no	
D	influence on soil microflo	ra or tauna.		
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		may be disposed of on	
	site or at an approved wa	aste disposal facility.		
	Container disposal:			
	5 gallons or less: Non-ref			

Version: 7



to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. 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 1/4 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 flow begins to drip. Repeat this procedure two more times. Greater than 5 gallons: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¹/₄ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. 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 be 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:	Chlomequat Chloride – Sect.302 TPQ 100/10000, Sect.304 RQ 100.
	Benzoic acid – CERCLA RQ 5000.
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
Chlomequat Chloride	999-81-5	-	-	-	✓	-	-
Benzoic acid	65-85-0	✓	-	-	✓	✓	-

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: CAUTION

Classifications under 40 CFR 156.63 are given in sections 9 and 11 where applicable

Version: 7



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:

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.

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.

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.

Issue Date/Version:	10/18/16 version 7
Supersedes:	11/23/15 version 6