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SAFETY DATA SHEET

1. Identification:					
Product Identifier:		Citadel [®]			
Other Means of Identification:		EPA registration number 62097-21-82917			
Distributed by:		Fine Americas, Inc.			
Distributed by.		1850 Mt. Diablo Blvd., Suite 405, Walnut	Creek CA 94596 USA		
	ļ	Tel: 925-932-8800	5. 55K, 57 t 5 1656, 5 57 t		
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			
	on (This produc	is not classified as hazardous as defined by OSHA Hazard Communication			
Standard, 29 CFR 1910.120		, , , , , , , , , , , , , , , , , , , ,			
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 Statemer	ıts:	Prevention: None assigned			
-		Response: None assigned			
		Storage: None assigned			
		Disposal: None assigned			
		fied as hazardous under 29 CFR 1910.1			
	following com	ponents classified as hazardous under 29	CFR 1910.1200		
CAS number:		Component:	Percent:		
999-81-5	Chlormequa		11.8%		
68515-73-1		/lpolyglucoside	5.1%		
65-85-0	Benzoic acid		0.41%		
	ture is not requ	uired to be disclosed by 29 CFR 1910.120	0.		
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			
Free		Rinse cautiously with water for several minutes. Remove contact			
Eyes:		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			
J. J		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			
3		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 Measur	es:				
Extinguishing Media:		Suitable: Water mist, CO ₂ , foam or dr	y chemical		
	i				
0		Unsuitable: High power water jet	I Balla Assessment		
Specific Hazards Arising Chemical:	g from the	Unsuitable: High power water jet Avoid inhalation of combustion products. decomposition would be expected to libe			

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		alkylamines	<u> </u>				
Protective Equipment and	Wear full protective clothing and self-contained breathing apparatus.						
Precautions for Firefighters:		vvoar ran pr	otootivo olotiling and	con comamoa broa	amig apparatae.		
6. Accidental Release Measu							
Personal Precautions, Protective Equipment and Emergency Procedures:		Refer to Se	ction 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		See also Se	ection 13. Disposal C	onsiderations.			
7. Handling and Storage:		Hoere -l	ld wook banda laaf	ooting deintime	owing come		
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/Person		ction:					
Component Exposure Limits Substance		IA PEL	Cal/OSHA PEL	NIOSH REL	ACGIH TLV		
Substance	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 vory pole at	oolor			
Appearance: Odor:		Clear liquid with very pale straw color Soapy					
Odor Threshold:		No data available					
pH:		4.22					
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 UFL: not applicable					
		OI L. HOL AL	plicable				

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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	1				
Reactivity:	No applicable information	n available			
Chemical Stability:	Stable in original contains		s at amhient		
onemour otability.	temperatures. (40-70°F)				
Possibility of Hazardous	No applicable information	n available			
Reactions:	The applicable illioithation available				
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:	1.10 applicable illicitiation	i avaliable			
11. Toxicological Information:					
Likely Routes of Exposure:	Most likely exposure by D	Pormal or oral routo			
Symptoms:	Inhalation: No data availa				
Symptoms.	Eye: Mild, transien				
	Skin: Non-irritant	timation			
	Ingestion: No data availa	ahla			
Acute Toxicity:		0-5,000 mg/kg (EPA	category III)		
Acute Toxicity.	Inhalation: LC ₅₀ Rat >5.0		category IV)		
Skin Corrosion/Irritation:	Dermal: LD ₅₀ Rat >5,000 mg/kg (EPA category IV) Non-irritant (EPA category IV)				
	Non-irritant (EPA category IV) Transient irritation not sufficient for classification (EPA category IV)				
Serious Eye Damage/Eye Irritation: Sensitization:		incient for classificati	on (EPA category IV)		
Germ Cell Mutagenicity:	Non-sensitizing				
Carcinogenicity:	No data available				
Carcinogenicity.	None of the components of this product are listed as carcinogens by NTP, IARC or OSHA.				
Reproductive/Developmental	No data available.				
Toxicity:	No data avallable.				
Specific Target Organ Toxicity:	Single Exposure: No	data available			
opecine ranger organi roxicity.	Repeated Exposure: No data available				
12. Ecological Information:	Tropodiod Expoduro. 140	data available			
Ecotoxicity:					
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	<u> </u>	48 hr	LD50 > 2250 mg/kg		
Persistence and Degradability:	In soil the material is quickly degraded by microbial activity. It had no				
i craiaterice and Degradability.	influence on soil microflo		iobiai activity. It flau 110		
Bioaccumulation Potential:	No data available.	ia di laulia.			
Mobility in Soil:	No data available. No data available.				
Other Adverse Effects:	None known				
13. Disposal Considerations:	TACHE KHOWH				
Disposal Considerations: Disposal Instructions:	Wastes resulting from the use of this product may be disposed of on				
บารคบริสา เกรเสนินเบกร.	site or at an approved wa		nay be disposed of off		
	one or at an approved wa	isic uispusai läullily.			
	Container disposal:				
	Container disposal: 5 gallons or less: Non-refillable container. Do not reuse this container				

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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

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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:		
None		
Issue Date/Version:	8/30/21 version 8	
Supersedes:	10/18/16 version 7	