

SAFETY DATA SHEET

1. Identification:		
Product Identifier:	Abide®	
Other Means of Identification:	EPA registration number 62097-22-82917	
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:	Ornamental plant growth regulator	
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:		
Contains the following compounds classified as hazardous and reportable under 29 CFR 1900.1200		
CAS number:	Component:	Percent:
13235-36-4	Tetrasodium Ethylenediaminetetraacetate tetrahydrate	1%
77-92-9	Citric acid	0.13%
2634-33-5 / 1310-73-2	Preservative	0.25%
12771-68-5	Ancymidol	0.0264%
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:	Wear full protective clothing and self-contained breathing apparatus.				
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:	<p>In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.</p> <p>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.</p>				
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:	Do not contaminate water, food or feed by storage or disposal. Avoid freezing. Store in original container only. 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
Sodium hydroxide		2	(C) 2mg/m ³	(C) 2mg/m ³	(C) 2mg/m ³
Appropriate Engineering Controls:	No applicable information available.				
Personal Protective Equipment:	<p>Eyes/Face: No applicable information available.</p> <p>Skin: Long-sleeved shirt and long pants. Shoes plus socks. Chemical-resistant gloves made of any waterproof material, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton.</p> <p>Respiratory: A respirator is not normally required when handling this substance.</p>				
9. Physical and chemical properties:					
Appearance:	Clear colorless liquid				
Odor:	Odorless				
Odor Threshold:	No data available				
pH:	7.5 (neat)				
Melting Point/Freezing Point:	No data available				
Boiling Point:	~212°F				
Flash Point:	Does not flash below 212° F (CC)				
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:	1.00 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		
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:	No applicable information available		
Hazardous Decomposition Products:	No applicable information available		
11. Toxicological Information:			
Likely Routes of Exposure:	Oral and contact		
Symptoms:	Inhalation: Non-irritant Eye: Non-irritant Skin: Non-irritant Ingestion: No data available		
Acute Toxicity:	Oral:	LD ₅₀ Rat >2 000 mg/kg	(EPA category III)
	Inhalation:	LC ₅₀ Rat >5.31 mg/l	(EPA category IV)
	Dermal:	LD ₅₀ Rat >2 000 mg/kg	(EPA category III)
Skin Corrosion/Irritation:	Non-irritant (rabbit)		(EPA category IV)
Serious Eye Damage/Eye Irritation:	Non-irritant (rabbit)		(EPA category IV)
Sensitization:	Non-sensitizing (guinea pig)		
Germ Cell Mutagenicity:	None (active ingredient)		
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:	No data available.		
Other Adverse Effects:	None known		
13. Disposal Considerations:			
Disposal Instructions:	<p>Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.</p> <p>Container disposal: 5 gallons or less: Non-refillable 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 and drain for 10 seconds after the flow</p>		

	<p>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.</p> <p>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.</p>
--	---

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:	Sodium hydroxide RQ 1000
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
Sodium hydroxide	1310-73-2	✓	-	✓	✓	✓	✓

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

Precautionary Statements:	KEEP OUT OF REACH OF CHILDREN. HAZARDS TO HUMANS AND DOMESTIC ANIMALS. CAUTION. Harmful if swallowed or absorbed through the skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves. Remove and wash contaminated clothing before reuse.
----------------------------------	--

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 4
Supersedes:	10/19/15 version 3