

SAFETY DATA SHEET

1. Identification:		
Product Identifier:	Dazide 85 WSG®	
Other Means of Identification:	EPA registration number 62097-17-82917	
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 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 no components classified as hazardous under 29 CFR 1910.1200		
It contains the following unclassified active ingredient		
CAS number:	Component:	Percent:
1596-84-5	Daminozide	85%
4. First Aid Measures:		
Inhalation:	Inhalation potential is very low, product is a granule and classed as nearly dust free (0.05%)	
Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.	
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 10-15 minutes.	
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: Not known Delayed: Not known	
Indication of immediate medical attention and special treatment needed, if necessary:	If symptoms persist, Call a poison control center or doctor for treatment advice.	
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:	Avoid inhalation of combustion products. At very high temperatures daminozide will decompose to form carbon and nitrogen compounds.	
Protective Equipment and Precautions for Firefighters:	Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves	
6. Accidental Release Measures:		
Personal Precautions, Protective	Refer to Section 8 "Exposure Controls/Personal Protection"	

Equipment and Emergency Procedures:	
Methods for Containment and Clean-Up:	Isolate spilled material for safe disposal and collect in sealable poly-lined containers, clean contaminated area with water. 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:

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.
Conditions for Safe Storage:	Do not contaminate water, food or feed by storage or disposal. Store in original container only. After partial use, close the container tightly. Store in a secure place that is temperate and dry. High humidity and moisture will cause product to harden. Use spray and stock solutions within 24 hours. Immediate use is required if another component is added to the spray solution. 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
No component listed	-	-	-	-	-
Appropriate Engineering Controls:	No applicable information available.				
Personal Protective Equipment:	Eyes/Face: No applicable information available. Skin: Long-sleeved shirt and long pants. Chemical resistant gloves made of any waterproof material. Shoes plus socks. Chemical-resistant gloves Respiratory: No applicable information available.				

9. Physical and chemical properties:

Appearance:	White free flowing granule
Odor:	Slightly musty
Odor Threshold:	No data available
pH:	4.0 (1% solution)
Melting Point/Freezing Point:	No data available
Boiling Point:	No data available
Flash Point:	Does not flash (closed cup)
Evaporation Rate:	Not applicable
Flammability/Limits:	Not flammable LFL: not applicable UFL: not applicable
Vapor Pressure:	<1.27 x 10 ⁻⁵ Pa 72°F (22°C)
Vapor Density:	Not applicable
Relative Density:	Tap density 0.46 g/cm3
Solubility (H₂O):	Soluble at 68°F
Partition Coefficient:	-1.50 log P _{ow} (active ingredient pH 7)
Auto-Ignition Temperature:	>752°F (400°C)
Decomposition Temperature:	No data available
Viscosity:	Not applicable

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:	Strong oxidizing agents
Hazardous Decomposition Products:	None under normal conditions of storage and use

11. Toxicological Information:

Likely Routes of Exposure:	Dermal and Oral
Symptoms:	Inhalation: Inhalation potential is very low, product is a granule and classed as nearly dust free (0.05%) Eye: Non-irritant Skin: Non-irritant Ingestion: No data available
Acute Toxicity:	Oral: LD ₅₀ Rat >5,000 mg/kg (EPA category IV) Inhalation: No data available Dermal: LD ₅₀ Rat >5,000 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 (guinea pig)
Germ Cell Mutagenicity:	No data available
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
	Fish (Rainbow trout)	96 hr	LC50 >149 mg/l
	Daphnia	48 hr	EC50 >100 mg/L
	Algae	72 hr	LOEC >100 mg/L
	Bird (Bobwhite quail)	8 day dietary	LC50 >10,000 mg/kg
	Bee – Not toxic to bees		
	Beneficial sp. - No or mild effects on insect predators, parasitoids and predatory mites		
Persistence and Degradability:	Dissipates quickly in soil with most residues becoming bound and degrades rapidly under normal conditions in contact with soil (90% in 7 days). Neither hydrolysis nor photolysis are significant pathways for the degradation of daminozide. No evidence of accumulation.		
Bioaccumulation Potential:	No data available.		
Mobility in Soil:	No data available.		
Other Adverse Effects:	None known		

13. Disposal Considerations:

Disposal Instructions:	Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. [5 lb bag] Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.
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	[5 lb HDPE container] Nonrefillable 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. 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 sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.
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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 listing requirements	
CERCLA:	No Component Listed
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
Daminozide	1596-84-5				✓		
California Prop 65:	1596-84-5 (Daminozide) 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:	HAZARDS TO HUMANS AND DOMESTIC ANIMALS. CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
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

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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 9
Supersedes:	11/23/15 version 8