

SAFETY DATA SHEET

1. Identification:

Product identifier:	Dazide® 85 WSG
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
Recommended use:	Plant growth regulator for ornamentals.
EPA reg. number:	62097-17-82917

2. Hazard(s) identification (as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):

Signal word/symbol: none Not classified as hazardous under 29 CFR 1910.1200
PRECAUTIONARY STATEMENTS. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
HAZARD STATEMENTS Environmental Hazards Do not contaminate water when disposing of equipment wash waters or rinsate.
Physical or Chemical Hazards Do not store near heat or open flame.

3. Composition:

Chemical name:	Daminozide (N-dimethylaminosuccinamic acid)
Concentration:	85%
CAS No.:	1596-84-5 (active ingredient)

4. First aid measures:

If in 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 the eye. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 (National Pesticide Information Center) for emergency medical treatment information.	

5. Fire fighting measures:

Extinguishing media:	Water mist, CO ₂ , foam or dry powder.
Specific hazards:	Avoid inhalation of combustion products. At very high temperatures daminozide will decompose to form carbon and nitrogen compounds.
Protective equipment:	No applicable information available.

6. Accidental release measures:

Personal precautions:	Refer to Section 8 "Exposure controls/personal protection"
Methods for cleaning 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.

7. Handling and storage:

KEEP OUT OF REACH OF CHILDREN	
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.

8. Exposure controls/personal protection:

Exposure limit:	OSHA PEL: Not listed ACIGH TLV: Not listed
Engineering controls:	No applicable information available.
Individual protection measures:	Applicators and other handlers must wear: <ul style="list-style-type: none"> • Long-sleeved shirt and long pants • Chemical resistant gloves made of any waterproof material • Shoes plus socks • Chemical-resistant gloves Follow manufacturer's instructions for cleaning and maintaining PPE. If not such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. When handlers user closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

9. Physical and chemical properties:

Appearance:	A white free flowing granule
Odor:	Slight musty
Odor threshold:	No applicable information available.
pH (1% solution):	4.0
Melting point/freezing point:	No applicable information available.
Boiling point:	No applicable information available.
Flash point:	Does not flash
Evaporation rate:	No applicable information available.
Flammability:	Not flammable
Explosive limits:	Not explosive
Vapor pressure:	$<1.27 \times 10^{-5}$ Pa (22°C)
Vapor density:	No applicable information available.
Relative density:	Not applicable
Solubility(ies):	Water: @ 20°C soluble Fat: No applicable information available
Partition coefficient:	-1.50 log P _{ow} (active ingredient pH 7)
Auto-ignition temperature:	No applicable information available.
Decomposition temperature:	No applicable information available.
Viscosity:	Not applicable

10. Stability and reactivity:

Reactivity:	No applicable information available.
Chemical stability:	Stable in original containers for at least 2 years at ambient temperatures.
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:

Routes of exposure/acute toxicity	
Oral:	LD ₅₀ rat: >5,000 mg/kg (EPA category 4)
Inhalation:	No applicable information available (granual)
Dermal:	LD ₅₀ rat: >5,000 mg/kg (EPA category 4)
Irritation	
Eye:	Non irritant
Skin:	Non irritant
Sensitization	
Skin:	Non-sensitizing
Carcinogenicity:	Not carcinogenic (active ingredient)
Mutagenicity:	No applicable information available.
Reproductive toxicity:	No applicable information available.
Chronic toxicity:	No applicable information available.
NTP/IARC/OSHA listing(s):	No applicable information available.

12. Ecological information:

Ecotoxicity (daminozide):	<ul style="list-style-type: none"> • Fish: Rainbow Trout LC₅₀ 96h. 149 mg/l • Daphnia: EC₅₀(48h) >100 mg/l • Algae: LOEC(72h) > 100 mg/l • Bird: Bobwhite quail 8 day dietary LC₅₀ >10,000 mg/kg diet (active ingredient) • Bee: Not toxic to bees. LD₅₀ >100µg/bee (active ingredient) • Beneficial spp: No or mild effects on insect predators, parasitoids and predatory mites
Mobility:	No applicable information available.
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 applicable information available.

13. Disposal considerations:

Pesticide disposal:	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.
Container disposal:	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.

14. Transport information:

UN number:	Not applicable
Proper shipping name:	Plant growth inhibitor, modifier or regulator
Class:	Not applicable
Packaging group:	Not applicable
NMFC number/class:	101685/65
Marine pollutant:	Not applicable

15. Regulatory information:

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 156.62 stated 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:

The information contained within this SDS is correct to the best of Fine Americas' knowledge at the time of preparation. It does not purport to be an exhaustive assessment. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. Fine Americas assumes no responsibility for any incidental or consequential damages arising from the use of this data and expressly disclaims any liability for loss, injury, damages or expenses arising from any failure to take into account the information or advice contained in this document.

This SDS does not replace or modify the EPA-approved product labelling (attached to the product container). It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

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