

## MATERIAL SAFETY DATA SHEET

### 1. Identification of the substance/preparation and company/undertaking

**Preparation name:** DAZIDE 85 WSG

**Use of preparation:** Horticultural plant growth regulator for professional use

**Supplier:** Fine Americas, Inc., 1850 Mt. Diablo Blvd., Suite 405,  
Walnut Creek, CA 94596, USA  
Tel: 925-932-8800

### 2. Composition/Information On Ingredients:

**Substance:** Daminozide (N-dimethylaminosuccinamic acid) 85% soluble granule formulation.

Cas No: 1596-84-5  
Einecs No: 216-485-9  
PCPA Reg. No: 28168

**Hazardous Ingredients:**      **Classification:**      **Concentration:**

None

### 3. Hazards identification

Caution – Eye Irritant

### 4. First aid measures

After inhalation: Remove the person to a well ventilated area. Ensure the person is warm and comfortable. Obtain immediate medical attention.

After skin contact: Remove contaminated clothing. Wash the affected area thoroughly with soap and water. Obtain medical attention if irritation occurs.

After eye contact: Irrigate eyes with running water for at least 15 minutes. Obtain medical attention.

After swallowing: Do not induce vomiting or give liquids. Seek medical advice.

## 5. **Fire fighting measures**

Flammability:	Non-flammable
Extinguishing Media:	Use water mist, CO <sub>2</sub> , foam or dry powder
Special exposure hazards:	Avoid inhalation of combustion products
Products of combustion and decomposition:	At very high temperatures daminozide will decompose to form carbon and nitrogen compounds.

## 6. **Accidental release measures**

### Personal Precautions

Wear protective clothing, see Section 8. Exposure control/personal protection

### Environmental precautions

Prevent contaminated water entering drains.

### Methods for cleaning up

Isolate spilled material for safe disposal and collect in sealable polylined containers, clean contaminated area with water.

## 7. **Handling and storage**

### Handling

Keep away from drink and foodstuffs. Do not smoke in the workplace. Avoid contact with spray. Wash thoroughly after handling.

### Storage

Store in cool dry conditions in original well marked containers.

## 8. **Exposure controls/personal protection**

### Exposure controls

To avoid risks to man and the environment comply with instructions for use. Also see Section 15. Regulatory Information.

### Occupational exposure controls

#### - Respiratory protection

No respiratory protection should be needed.

#### - Hand protection

Acid resistant gloves with a minimum 0.5mm thickness should be worn with sleeves worn over the top of the gloves.

#### - Eye protection

Wear face shield.

#### - Skin protection

Wear sensible regularly laundered overalls.

## 9. Physical and chemical properties:

### General information

Appearance: A white free flowing granule  
Odour: Slight (musty)

### Important health, safety and environmental information

pH (1% solution): 3.9  
Melting Point: 160°C  
Flash point: N/A  
Flammability: Non-flammable  
Explosive properties: Non-explosive  
Oxidising properties: Non-oxidising  
Vapour pressure:  $<1.27 \times 10^{-5}$  Pa (22°C)  
Relative density: 1.3  
Solubility  
- water solubility @ 20°C: 142g/kg  
- fat solubility: No data  
Partition coefficient:  $-1.50 \log P_{ow}$  (active ingredient pH 7)  
Viscosity: N/A  
Vapour density: N/A  
Evaporation rate: N/A

### Other information

Product can be classified as nearly dust free

## 10. Stability and reactivity

Stable in original containers for at least 3 years at ambient temperatures.

### Conditions to avoid

- Excessive heat.

### Materials to avoid

- Incompatible with strong oxidising agents.

### Hazardous decomposition products

- None under normal conditions of storage and use.

## 11. Toxicological information

### Acute toxicity

Oral: LD<sub>50</sub> Rat: Category 4 - > 5,000 mg/kg  
Inhalation: LC<sub>50</sub> Rat: >2.1 mg/kg  
Dermal: LD<sub>50</sub> Rat: Category 3 - >2,000 mg/kg through 5,000 mg/kg

### 11. Toxicological information (contd.)

#### Irritation

Eye	Mild-irritant
Skin	Non-irritant
Respiratory tract	Non-irritant

#### Sensitisation

Skin: Non-sensitising.

Carcinogenicity: Not carcinogenic

Mutagenicity: Not mutagenic

Reproductive tox: No data

Chronic tox: No data

Toxicity Class: WHO (a.i.) U; EPA (formulation) IV.

### 12. Ecological information

#### Ecotoxicity (daminozide)

Fish:	Rainbow Trout LC <sub>50</sub> 96h. 149 mg/l
Daphnia:	LC <sub>50</sub> (96h) 76mg/litre
Algae:	EC <sub>50</sub> for Chlorella 180ppm
Bird:	Bobwhite quail 8 day dietary LC <sub>50</sub> >10,000 mg/kg diet
Bee:	Not toxic to bees. LD <sub>50</sub> >100µg/bee
Beneficial sps:	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.

### 13. Disposal considerations

#### Product

May be taken to waste disposal site or incineration plant when in compliance with local regulations refer to the local waste regulation authority.

#### Packaging

Empty containers can be landfilled when in accordance with provincial requirements.

#### 14. Transport information

UN number: 2588  
Class: Not classified  
Proper shipping name: Not classified  
Packaging group: III  
Marine Pollutant: Not classified  
Other applicable information: None

#### 15. Regulatory Information

**Symbol(s):** Irritant  
**Risk Phrases:** Caution – Eye Irritant  
**Safety Phrases:** S2 Keep out of reach of children  
S13 Keep away from food, drink & animal feed stuffs  
S20/21 When using do not eat, drink or smoke  
S36/37 Wear suitable protective clothing and gloves  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S49 Keep in original container  
**Specific provisions** Restricted to professional users  
To avoid risks to man and the environment, comply with the directions for use.

#### 16. Other information:

For further information on the product and product use refer to the product label.  
This version replaces all previous versions.