



# MATERIAL SAFETY DATA SHEET

## ***B-NINE® WSG***

Version: 1.0  
Date of Issue: 10/09/2009  
Date printed: 10/09/2009

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** B-NINE® WSG

**Chemical name:** Daminozide

**Use of substance/preparation:** Plant Growth Regulator

**Supplier:** Chemtura Canada Co./Cie  
25 ERB STREET  
Elmira, Ontario N3B 3A3 Canada

**Manufacturer:** Chemtura Corporation  
199 Benson Road  
Middlebury, CT 06749 USA

**Emergency telephone number:** 866-744-3060 (Canada 24 hours)  
CANUTEC (24 hours) 613-996-6666 (call collect)

**Environmental, Health and Safety Department:** 866-430-2775

**Customer Care:** +44 161 875 3800

**Prepared by** Product Safety Department      Date of Issue: 10/09/2009  
(US) +1 866-430-2775  
(EU) +44 (0) 1753.603.000  
Email: MSDSRequest@chemtura.com

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### 2. HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW**  
**CAUTION!**  
MAY BE HARMFUL IF SWALLOWED.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENT	% BY WEIGHT
Daminozide CAS# -	85

Ingredients not precisely identified are non-hazardous and/or proprietary.

#### WHMIS CLASSIFICATION

This product is registered under the Pest Control Products Act and is therefore exempt from WHMIS supplier labeling and MSDS requirements. Please read entire MSDS and product label for safety

**(M)SDS# 000000035082**



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precautions.

### **CPR Compliance**

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## **4. FIRST AID MEASURES**

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### **Swallowing**

Do not induce vomiting. Rinse mouth with water. Obtain medical attention.

### **Inhalation**

Remove to fresh air. Obtain medical attention if symptoms persist.

### **Skin contact**

Wash skin with soap and water. No harmful effects expected.

### **Eye contact**

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if discomfort persists.

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## **5. FIRE-FIGHTING MEASURES**

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### **Hazardous combustion products**

Irritating fumes.  
Oxides of carbon.

### **Special fire fighting procedures**

Do not discharge extinguishing waters into streams, rivers and lakes.

### **Special protective equipment for firefighters**

Body covering protective clothing, full "turn-out" gear.  
Self-contained breathing apparatus.

### **Extinguishing media**

Suitable:           - CO2  
                          - dry powder  
                          - foam  
                          - water fog

Unsuitable:        - water spray

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## **6. ACCIDENTAL RELEASE MEASURES**

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### **Personal precautions**

Wear suitable protective equipment., Do not breath dust., Eliminate sources of ignition., Avoid contact with skin and eyes.

### **Environmental precautions**

Prevent from entering sewer system, surface water or soil.

### **Methods for cleaning up**

Avoid dispersion of dust.  
Sweep up and collect in a suitable container for disposal.

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## **7. HANDLING AND STORAGE**

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### **HANDLING**

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### **Handling precautions**

Normal precautions common to good safety practice should be followed in handling., Use with adequate ventilation., Avoid breathing dust., Keep container tightly closed., Keep away from sources of ignition - No smoking.

### **STORAGE**

#### **Storage requirements**

Keep container tightly closed in a cool, well-ventilated place., Protect from heat., In case of occurrence of dust, risk of dust explosion.

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### **EXPOSURE LIMIT VALUES**

Consult local authorities for acceptable provincial values.

### **PERSONAL PROTECTION**

#### **Respiratory protection**

Dust respirator, if dusting conditions exist.

#### **Hand protection / protective gloves**

Chemical resistant protective gloves

#### **Eye protection**

Safety glasses with side shields.

#### **Skin protection**

Wear protective clothing, such as long sleeves to minimize skin contact.

### **ENGINEERING CONTROLS**

#### **Ventilation**

General mechanical room ventilation is satisfactory for normal handling and storage operations.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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### **APPEARANCE**

<b>Physical state</b>	Granular solid
<b>Color</b>	White
<b>Odor</b>	NONE

### **OTHER PROPERTIES**

<b>Boiling point</b>	Not available
<b>Melting point</b>	> 120 °C
<b>pH</b>	4.0 Concentration: 10 g/l
<b>Bulk density</b>	(approximately) 0.5 kg/dm <sup>3</sup>
<b>Solubility in water</b>	Complete
<b>Flash point</b>	Not applicable
<b>Thermal decomposition</b>	NONE
<b>Autoignition temperature</b>	Not available
<b>Percent volatiles</b>	0 %(m)

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**Oxidizing properties** Not applicable

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### 10. STABILITY AND REACTIVITY

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**Stability:** This product is stable under normal storage and handling conditions.

**Incompatible materials:**

Oxidizing agents.  
Strong acids.  
Strong bases.

**Hazardous combustion products:**

Irritating fumes.  
Oxides of carbon.

**Hazardous polymerization:** Will not occur.

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### 11. TOXICOLOGICAL INFORMATION

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#### SWALLOWING

Test results

Acute toxicity: LD50 Rat  
Result: > 5,000 mg/kg

<u>Component data</u> Daminozide Acute toxicity - Swallowing:	LD50 - Rat Result: > 5,000 mg/kg
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#### SKIN ABSORPTION

Test results

Acute toxicity: LD50 - Rat  
Result: > 5,000 mg/kg

<u>Component data</u> Daminozide Acute toxicity - Skin absorption:	LD50 - Rabbit Result: > 5,000 mg/kg
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#### INHALATION

Test results

Acute toxicity: LC50 - Rat  
Result: > 4 mg/l  
Exposure time: 4 h

<u>Component data</u> Daminozide Acute toxicity - Inhalation:	LC50 - Rat Result: > 4 mg/l Exposure time: 4 h
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#### SKIN CONTACT

Test results

Skin irritation: Species: Rabbit  
Result: Non irritating.

<u>Component data</u> Daminozide Skin irritation - Skin contact:	Species: Rabbit Classification: Not irritant
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#### EYE CONTACT



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Test results

Eye irritation:

Species: Rabbit  
Classification: Not irritating

<u>Component data</u> Daminozide Eye irritation - Eye contact:	Species: Rabbit Classification: Not irritant
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SENSITIZATION

Test results:

Species: - Guinea pigs  
Result: Non sensitizing.

<u>Component data</u> Daminozide Sensitization:	Species: Guinea pigs Result: Negative
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## 12. ECOLOGICAL INFORMATION

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<u>Component ecotoxicology</u> Daminozide <u>Acute toxicity fish:</u>	Acute toxicity fish LC50 - Rainbow trout (Oncorhynchus mykiss) Result: > 149 mg/l Exposure time: 96 h
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<u>Component ecotoxicology</u> Daminozide <u>Aquatic toxicity to plants:</u>	EC50 - Algae Result: > 80 mg/l Exposure time: 72 h
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<u>Component ecotoxicology</u> Daminozide <u>Acute toxicity to aquatic invertebrates:</u>	Acute daphnia toxicity LC50 - Water flea (Daphnia magna) Result: 75.5 mg/l Exposure time: 96 h
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## 13. DISPOSAL CONSIDERATIONS

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**General:** Dispose of waste material in compliance with all federal, provincial and local regulations., Do not discharge to sewers and natural waters.

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## 14. TRANSPORT INFORMATION

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**TDG - Canada**

This product is not regulated by TDG.

**IMDG Classification**

This product is not regulated by IMDG.

**ICAO/IATA Classification**

This product is not regulated by ICAO.

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## 15. REGULATORY INFORMATION

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WHMIS CLASSIFICATION

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### CPR Compliance

This product has been classified with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

### CHEMICAL INVENTORY

Canada: All substances in this product are exempt from the DSL as this product is registered under the Pest Control Products Act.

Europe: The ingredients of this mixture are on the EINECS inventory.

United States: This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from TSCA Inventory listing requirements.

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## 16. OTHER INFORMATION

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STP	Standard temperature and pressure
W/W	Weight/Weight

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