



MATERIAL SAFETY DATA SHEET

B-NINE® WSG

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

1. PRODUCT AND COMPANY IDENTIFICATION

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

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION!
MAY BE HARMFUL IF SWALLOWED.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

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

4. FIRST AID MEASURES

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.

5. FIRE-FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

HANDLING

(M)SDS# 00000035082



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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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Granular solid
Color	White
Odor	NONE

OTHER PROPERTIES

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

(M)SDS# 000000035082



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Oxidizing properties Not applicable

10. STABILITY AND REACTIVITY

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.

11. TOXICOLOGICAL INFORMATION

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

<u>Component ecotoxicology</u> Daminozide <u>Acute toxicity fish:</u>	Acute toxicity fish LC50 - Rainbow trout (<i>Oncorhynchus mykiss</i>) 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 (<i>Daphnia magna</i>) Result: 75.5 mg/l Exposure time: 96 h
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13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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.

15. REGULATORY INFORMATION

WHMIS CLASSIFICATION

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CPR Compliance

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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.

16. OTHER INFORMATION

STP	Standard temperature and pressure
W/W	Weight/Weight

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