



MATERIAL SAFETY DATA SHEET

DIMILIN® 25WP

Version: 1.5
Date of Issue: 10/08/2009
Date printed: 10/08/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DIMILIN® 25WP

Chemical name: Diflubenzuron

Use of substance/preparation: Insect 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: 10/08/2009
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION!
MAY CAUSE EYE AND SKIN IRRITATION.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
Diflubenzuron CAS# 35367-38-5	25
Dispersant CAS# Trade secret	< 5
Sodium alkyl sulfate	< 5

(M)SDS# 000000026976



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CAS# Trade secret

Filler
CAS# Trade secret

65.6

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 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

If patient is fully conscious, give two glasses of water. Do not induce vomiting unless told to do so by the poison control center or doctor. Obtain medical attention immediately. Do not give milk, oily products, fat or alcohol. Do not give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air. Give artificial respiration if not breathing. Obtain medical attention.

Skin contact

Wash skin with soap and water. Remove contaminated clothing. Wash clothing before re-use. Obtain medical attention if irritation persists.

Eye contact

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

5. FIRE-FIGHTING MEASURES

Flash point: 110 °C

Hazardous combustion products

Irritating fumes.
Oxides of carbon.
Oxides of nitrogen.

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.

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Environmental precautions

Prevent from entering sewer system, surface water or soil., May be harmful to aquatic life.

Methods for cleaning up

Sweep up and collect in a suitable container for disposal.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Avoid dust formation., Use only with adequate ventilation.

Other precautions

NOTE TO END-USERS: The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

STORAGE

Storage requirements

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Consult local authorities for acceptable provincial values.

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Filler	Belgium	TWA	3 mg/m3	Respirable
		TWA	10 mg/m3	Inhalable
	France	VME	10 ppm	
	Germany	AGW	3 mg/m3	Respirable
		AGW	10 mg/m3	Inhalable
	Ireland	OEL-TWA	4 mg/m3	Respirable
		OEL-TWA	10 mg/m3	Inhalable
	Italy	OEL	3 mg/m3	Respirable
		OEL	10 mg/m3	Inhalable
	Spain	VLA-ED	2 mg/m3	Respirable
		VLA-ED	10 mg/m3	Inhalable
	Sweden	NGV	5 mg/m3	Respirable
		NGV	10 mg/m3	Inhalable
	Switzerland	TWA	6 mg/m3	



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	the Netherlands	MAC TWA	5 mg/m ³	Respirable
		MAC TWA	10 mg/m ³	Inhalable
	Great-Britain	TWA	2 mg/m ³	Respirable
	Denmark	TWA	2 mg/m ³	
Component Particulates not otherwise regulated	Type 8 hours	Value 3.0 mg/m ³		Remark Respirable dust
	TWA - ACGIH	10.0 mg/m ³		Total inhalable dust
	TWA - ACGIH	3.0 mg/m ³		Respirable fraction

PERSONAL PROTECTION

Respiratory protection

In case of occurrence of dust respiratory protective equipment required.

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

Local exhaust suggested to prevent dust buildup.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state Powder
Color White to yellow
Odor Practically odorless

OTHER PROPERTIES

Boiling point Not applicable
Melting point Not applicable
pH (approximately) 8
Concentration:
10 g/l
Density 2.09 g/cm³ at 25 °C
Bulk density 0.3 g/cm³
Vapor pressure
Solubility in water Dispersible

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Flash point >
110 °C

Thermal decomposition NONE

Autoignition temperature > 110 °C

Dynamic viscosity Not applicable

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.
Oxides of nitrogen.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results

Acute toxicity: LD50 Rat
Result: > 10,000 mg/kg

SKIN ABSORPTION

Test results

Acute toxicity: LD50 - Rat
Result: > 20,000 mg/kg

INHALATION

Test results

Acute toxicity: LC50 - Rat
Result: > 3.52 mg/l
Exposure time: 4 h

SKIN CONTACT

Test results

Skin irritation: Species: Rabbit
Classification: Not irritating

EYE CONTACT

Test results

Eye irritation: Species: Rabbit
Result: Mild irritation

SENSITIZATION

Test results:

Species: - Guinea pigs
Result: Non sensitizing.

MUTAGENICITY

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Assessment: Negative

CARCINOGENICITY

Assessment: Negative

TOXICITY TO REPRODUCTION/FERTILITY

Assessment: Negative

12. ECOLOGICAL INFORMATION

Component ecotoxicology Diflubenzuron Acute toxicity fish:	LC50 - Rainbow trout (<i>Oncorhynchus mykiss</i>) Result: > 106.4 mg/l Exposure time: 96 h
Component ecotoxicology Diflubenzuron Acute toxicity fish:	LC50 - Zebra fish (<i>Brachydanio rerio</i>) Result: > 64.8 mg/l Exposure time: 96 h
Component ecotoxicology Diflubenzuron Aquatic toxicity to plants:	IC50 - <i>Selenastrum capricornutum</i> Result: > 80 mg/l Exposure time: 72 h
Component ecotoxicology Diflubenzuron Acute toxicity to aquatic invertebrates:	EC50 - Water flea (<i>Daphnia magna</i>) Result: 0.0026 mg/l Exposure time: 48 h

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

Not regulated by ground or rail.

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diflubenzuron)
Class: 9
UN ID #: UN 3077
Packing group: III

IMDG Classification

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
Class: 9
Subsidiary risk: marine pollutant
UN ID #: UN 3077
Packing group: III
Technical description (Diflubenzuron)

ICAO/IATA Classification

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Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
Class: 9
UN ID #: UN 3077
Packing group: III

Technical description (Diflubenzuron)

Only regulated by air Into, Out of or Within the United States in containers 881.8 lbs (400 kg) or greater.

15. REGULATORY INFORMATION

WHMIS CLASSIFICATION

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CPR Compliance

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CHEMICAL INVENTORY

Canada: PCP# 13816

16. OTHER INFORMATION

STP	Standard temperature and pressure
W/W	Weight/Weight

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THE OPINIONS EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN CHEMTURA CORPORATION. WE BELIEVE THAT THE INFORMATION CONTAINED HEREIN IS CURRENT AS OF THE DATE OF THIS SAFETY DATA SHEET. SINCE THE USE OF THIS INFORMATION AND OF THESE OPINIONS AND THE CONDITIONS OF USE OF THIS PRODUCT ARE NOT WITHIN THE CONTROL OF CHEMTURA CORPORATION, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCTS.

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