



# MATERIAL SAFETY DATA SHEET

## *Dimilin WP25*

Version: 1.5  
Date of Issue: 10/08/2009  
Date printed: 02/16/2011

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** Dimilin WP25

**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

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### 2. HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW**  
**CAUTION!**  
MAY CAUSE EYE AND SKIN IRRITATION.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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



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CAS# Trade secret

Filler 65.6  
CAS# Trade secret

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.

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**4. FIRST AID MEASURES**

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**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.

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**5. FIRE-FIGHTING MEASURES**

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**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

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**6. ACCIDENTAL RELEASE MEASURES**

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**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.

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## 7. HANDLING AND STORAGE

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### 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.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### 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/m <sup>3</sup>	Respirable
		TWA	10 mg/m <sup>3</sup>	Inhalable
	France	VME	10 ppm	
	Germany	AGW	3 mg/m <sup>3</sup>	Respirable
		AGW	10 mg/m <sup>3</sup>	Inhalable
	Ireland	OEL-TWA	4 mg/m <sup>3</sup>	Respirable
		OEL-TWA	10 mg/m <sup>3</sup>	Inhalable
	Italy	OEL	3 mg/m <sup>3</sup>	Respirable
		OEL	10 mg/m <sup>3</sup>	Inhalable
	Spain	VLA-ED	2 mg/m <sup>3</sup>	Respirable
		VLA-ED	10 mg/m <sup>3</sup>	Inhalable
	Sweden	NGV	5 mg/m <sup>3</sup>	Respirable
		NGV	10 mg/m <sup>3</sup>	Inhalable
	Switzerland	TWA	6 mg/m <sup>3</sup>	



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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 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/cm <sup>3</sup> at 25 °C
Bulk density	0.3 g/cm <sup>3</sup>
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

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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.  
Oxides of nitrogen.

**Hazardous polymerization:** Will not occur.

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### 11. TOXICOLOGICAL INFORMATION

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#### 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

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**12. ECOLOGICAL INFORMATION**

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

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.

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### 15. REGULATORY INFORMATION

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#### 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.

#### CHEMICAL INVENTORY

**Canada:** PCP# 13816

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### 16. OTHER INFORMATION

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STP	Standard temperature and pressure
W/W	Weight/Weight

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