



**SAFETY DATA SHEET**  
according to regulation (EC) no 1907/2006

**Delsene 50 Flo**

Version 8 (UK)

Issue date 11/02/2009

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product information

Trade name : **Delsene 50 Flo**

Usage : fungicide

Company : Nufarm UK Limited  
Wyke Lane  
Wyke  
Bradford  
West Yorkshire BD12 9EJ  
United Kingdom

Telephone : +44 (0)1274 691234  
Telefax : +44 (0)1274 691176  
E-mail : infouk@uk.nufarm.com

Emergency telephone : **+44(0)1274 696603**

## 2. HAZARDS IDENTIFICATION

May cause heritable genetic damage.  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Possible risk of impaired fertility.  
Possible risk of harm to the unborn child.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : suspension concentrate (SC)  
Contains 500g/L Carbendazim

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrases(s)	Concentration (w/w)
carbendazim	10605-21-7	234-232-0	T, N	R46, R50/53, R60, R61	42.7 %
Propane-1,2-diol	57-55-6	200-338-0		n.c.	5% - 10%

## 4. FIRST AID MEASURES

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin contact : Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use.

Inhalation : Move to fresh air. If symptoms persist, call a physician.

Ingestion : Do NOT induce vomiting. Rinse mouth. If conscious, drink



plenty of water. If symptoms persist, call a physician.

**Notes to physician**

Treatment : Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

- Specific hazards during fire fighting : In the event of fire (HCl,Cl<sub>2</sub>,CO) may be formed.
- Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
- Suitable extinguishing media : Water spray, Carbon dioxide (CO<sub>2</sub>), Dry powder, Alcohol-resistant foam
- Extinguishing media which shall not be used for safety reasons : High volume water jet
- Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Wear personal protective equipment. (see Chapter 8)
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Sweep up and shovel into suitable containers for disposal.
- Additional advice : Never return spills in original containers for re-use.

**7. HANDLING AND STORAGE**

**Handling**

Safe handling advice : Wear personal protective equipment.

**Storage**

- Requirements for storage areas and containers : Store in original container. Keep containers tightly closed in a cool, well-ventilated place.
- Advice on common storage : Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	occupational exposure limits	Note
carbendazim	10605-21-7		
Propane-1,2-diol	57-55-6	474 mg/m <sup>3</sup>	Vapour and particulates

### Personal protective equipment

- Respiratory protection : No special protective equipment required.
- Hand protection : PVC or nitrile-rubber gloves
- Eye protection : Safety glasses, or, Goggles
- Skin and body protection : lightweight protective clothing
- Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.
- Protective measures : Avoid contact with skin, eyes and clothing. Keep working clothes separately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

- Physical state : liquid
- Colour : white

### Other data

- Flash point : not applicable
- Vapour pressure : not applicable
- Density : 1.17 g/cm<sup>3</sup>  
at 20 °C
- Relative vapour density : no data available
- Partition coefficient: n-octanol/water : log POW = 1.51



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(pH 7)

## 10. STABILITY AND REACTIVITY

Conditions to avoid : No dangerous reaction known under conditions of normal use.

Materials to avoid : Strong acids and strong bases

## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat  
Dose: > 15,000 mg/kg

Acute dermal toxicity : LD50 rat  
Dose: > 2,000 mg/kg

Acute inhalation toxicity : LC50 rat  
Dose: > 10 mg/l

Skin irritation : Classification: No skin irritation

Eye irritation : Classification: No eye irritation

Sensitisation : Classification: Not sensitizing to skin.

Evaluation mutagenicity : Muta. Cat.2

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to fish : LC50  
Dose: 0.83 mg/l  
Testing period: 96 h

Toxicity to daphnia : EC50  
Dose: 0.13 - 0.22 mg/l  
Testing period: 48 h

Toxicity to algae : EC50



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Dose: 1.3 mg/l  
Exposure time: 72 h

### 13. DISPOSAL CONSIDERATIONS

- Product : Dispose of product and packaging in accordance with The Green Code. (The Code of Practice for the safe use of Pesticides on Farms and Holdings.) A MAFF Publication.
- Contaminated packaging : Do not dispose with household waste. Do not re-use empty containers. Dispose at licensed waste disposal site capable of accepting pesticides in compliance with applicable regulations. according to EC directive 94/62/EC

According to European Directive 2000/532/EC as amended :

Waste Key Number : 02 01 08 (agrochemical waste containing dangerous substances)

### 14. TRANSPORT INFORMATION

UN-Number : **3082**

Description of the goods : UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.\*

#### **ADR/RID**

Class : 9  
Packaging group : III

#### **IMDG**

Class : 9  
Packaging group : III  
Marine pollutant : Y

#### **IATA-DGR**

Class : 9  
Packaging group : III



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### 15. REGULATORY INFORMATION

Symbol(s)	: T N	Toxic Dangerous for the environment
R-phrase(s)	: R46 R50/53  R60 R61	May cause heritable genetic damage. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May impair fertility. May cause harm to the unborn child.
S-phrase(s)	: S35  S53  S57	This material and its container must be disposed of in a safe way. Avoid exposure - obtain special instructions before use. Use appropriate container to avoid environmental contamination.
Other regulations	: The product is classified and labelled in accordance with EC directives or respective national laws.	

### 16. OTHER INFORMATION

Print Date : 02/11/2009

(Alterations are indicated in the left hand margin by: || )

Full text of any R phrases referred to under heading 3:

- R46 - May cause heritable genetic damage.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R60 - May impair fertility.
- R61 - May cause harm to the unborn child.
- n.c. - This chemical substance is not classified in the Annex VI of Regulation (EC) No 1272/2008.



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The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.