



# SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

**Blighter**

Version 1 (UK)

Issue date 11/02/2009

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

### Product information

Trade name : **Blighter**

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

Irritating to respiratory system.  
May cause sensitization by skin contact  
Very toxic to aquatic organisms.  
May cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : Water dispersible granule  
containing 68% Mancozeb and 5% Cymoxanil.

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrases(s)	Concentration (w/w)
mancozeb	8018-01-7		N, Xi	R37, R43, R50/53	68.0 %
cymoxanil	57966-95-7	261-043-0	Xn, N	R22, R43, R50/53	5.0 %
Wetting agent			Xi	R36/38	1% - 3%

## 4. FIRST AID MEASURES

Eye contact : Rinse immediately with plenty of water, also under the eyelids.  
If eye irritation persists, consult a specialist.

Skin contact : Wash off immediately with soap and plenty of water.

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

Ingestion : Do NOT induce vomiting. Consult a physician if necessary.



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**Notes to physician**

Treatment : No specific antidote, symptomatic treatment.

**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) Evacuate personnel to safe areas.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : 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. Avoid dust formation. Provide sufficient air exchange and/or exhaust in work rooms.

**Storage**

- Requirements for storage areas and containers : Store in original container. Keep container tightly closed. Keep in a dry place. Keep away from heat.
- 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

### Personal protective equipment

- Respiratory protection : Suitable respiratory equipment:
- 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 : solid
- Form : granular
- Colour : yellowish green

### Other data

- Flash point : not applicable, The product is not flammable.
- Bulk density : 700 kg/m<sup>3</sup>
- Water solubility : dispersible
- pH : 5 - 6.5  
at 10 g/l  
(as a dispersion)

## 10. STABILITY AND REACTIVITY

- Conditions to avoid : high temperatures, Heating can release vapours which can be



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ignited., Humidity during storage.

Materials to avoid : Incompatible with strong acids and oxidizing agents.,  
Ammonium salts

## 11. TOXICOLOGICAL INFORMATION

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

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

Skin irritation : Result: No skin irritation

Eye irritation : rabbit  
Result: No eye irritation

Sensitisation : Result: Causes sensitization on guinea-pigs.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to fish : LC50  
Dose: 0.41 mg/l  
Testing period: 96 h

Toxicity to daphnia : LC50  
Dose: 0.85 mg/l  
Testing period: 48 h

Toxicity to algae : EC50  
Dose: 0.25 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



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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 : **3077**

Description of the goods : UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.\*(Mancozeb)

### ADR/RID

Class : 9  
Packaging group : III

### IMDG

Class : 9  
Packaging group : III  
Marine pollutant : Y

### IATA-DGR

Class : 9  
Packaging group : III

## 15. REGULATORY INFORMATION

Symbol(s) : N Dangerous for the environment  
Xi Irritant



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R-phrase(s)	: R37 R43 R50/53	Irritating to respiratory system. May cause sensitization by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	: S24 S35  S37 S57	Avoid contact with skin. This material and its container must be disposed of in a safe way. Wear suitable gloves. 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:

- R37 - Irritating to respiratory system.
- R43 - May cause sensitization by skin contact.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R22 - Harmful if swallowed.
- R43 - May cause sensitization by skin contact.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R36/38 - Irritating to eyes and skin.

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