



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

Penncozeb WDG

Version 5 (UK)

Issue date 05/18/2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : **Penncozeb WDG**

Usage : fungicide

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

Telephone : +44 (0)1274 691234
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2. HAZARDS IDENTIFICATION

May cause sensitization by skin contact
Possible risk of harm to the unborn child.
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
Contains 75% Mancozeb

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	70% - 80%
	100-97-0	202-905-8	Xn, F	R11, R42/43	1% - 10%
Wetting agent			Xi	R36/38	1% - 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,Cl₂,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 (CO₂), 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

Personal protective equipment

- Respiratory protection : Suitable mask with particle filter P3 (European Norm 143)
- 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 : Water dispersible granule
- Colour : light grey

Other data

- : Decomposes before melting.
- Flash point : not applicable
- Ignition temperature : 159 °C
- Vapour pressure : <5.6E+00 Pa
at 25 °C
- Bulk density : 630 - 690 kg/m³
- Water solubility : dispersible
- pH : 6 - 7.5



10. STABILITY AND REACTIVITY

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

Materials to avoid : Strong acids, Strong oxidizing agents, Ammonium salts

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat
Dose: > 5,000 mg/kg

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

Acute inhalation toxicity : LC50 rat
Dose: 4.8 mg/l

Skin irritation : rabbit
Classification: No skin irritation

Eye irritation : rabbit
Classification: No eye irritation

Sensitisation : Result: Causes sensitization.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50
Dose: 1 mg/l
Testing period: 96 h
Test substance: (Mancozeb)

Toxicity to daphnia : EC50
Dose: 3.8 mg/l
Testing period: 48 h
Test substance: (Mancozeb)

Toxicity to algae : EC50
Dose: 0.044 mg/l



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Exposure time: 120 h
Test substance: (Mancozeb)

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 : **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



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15. REGULATORY INFORMATION

Symbol(s)	: Xn N	Harmful Dangerous for the environment
R-phrase(s)	: R43 R63 R50/53	May cause sensitization by skin contact. Possible risk of harm to the unborn child. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	: S 2 S13 S22 S24 S35 S36/37 S46 S57 S61	Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Do not breathe dust. Avoid contact with skin. This material and its container must be disposed of in a safe way. Wear suitable protective clothing and gloves. If swallowed, seek medical advice immediately and show this container or label. Use appropriate container to avoid environmental contamination. Avoid release to the environment. Refer to special instructions/ Safety data sheets.
Other regulations	: The product is classified and labelled in accordance with EC directives or respective national laws.	

16. OTHER INFORMATION

Print Date : 18/05/2010

(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



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- R11 aquatic environment.
- R11 - Highly flammable.
- R42/43 - May cause sensitization by inhalation and skin contact.
- R36/38 - Irritating to eyes and skin.

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