

**FOLICUR EW 250 12X1L EC**Version 2 / D  
102000071621/7  
Revision Date: 31.03.2004  
Print Date: 12.05.2004**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product information**

Trade name FOLICUR EW 250 12X1L EC  
Product code (UVP) 04407040, 00999792, 05714095, 05949793, 05714087, 05696682, 05162106, 04996011, 04836626, 04832760, 00975958  
Usage fungicide  
Company Bayer CropScience AG  
Alfred-Nobel-Straße 50  
40789 Monheim  
Germany

Telephone +49(0)69-305-5748  
Telefax +49(0)69-305-80950  
Responsible Department Material and Transport Safety Management  
+49(0)69-305-82369/12588

Emergency telephone number +49(0)2133-51-4233 (Sicherheitszentrale Dormagen, Bayer AG)

Supplier Bayer CropScience Deutschland GmbH  
Elisabeth-Selbert-Straße 4a  
D-40764 Langenfeld  
Germany  
Telephone: 02173 / 20760

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**Emulsion, oil in water (EW)  
Tebuconazole 250 g/l**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Tebuconazole	107534-96-3	Xn, N	R22, R51/53	25,90
N,N-dimethyl decanamide	14433-76-2 238-405-1	Xn	R22, R38, R41	60,00

**3. HAZARDS IDENTIFICATION****Risk advice to man and the environment**Harmful by inhalation and if swallowed.  
Risk of serious damage to eyes.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**4. FIRST AID MEASURES**

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Move out of dangerous area. If the patient is likely to become unconscious, place and transport in stable sideways position. Remove soiled or soaked clothing immediately.

**Inhalation**

Move the patient to fresh air and keep at rest. Call a physician immediately.

**Skin contact**

Wash off immediately with soap and plenty of water. Take medical treatment.

**Eye contact**

In case of contact with eyes rinse thoroughly with water. Call a physician immediately.

**Ingestion**

Do not induce vomiting. Wash out mouth with water. Call a physician immediately.

**Notes to physician****Treatment**

Treat symptomatically.

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**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

water spray  
carbon dioxide (CO<sub>2</sub>)  
foam  
sand

**Specific hazards during fire fighting**

In the event of fire the following can be released:  
hydrogen chloride (HCl)  
hydrogen cyanide (hydrocyanic acid)  
carbon monoxide (CO)  
nitrogen oxides (NO<sub>x</sub>)

**Special protective equipment for fire-fighters**

In the event of fire and/or explosion do not breathe fumes.  
Use breathing apparatus.

**Further information**

Contain the spread of the fire-fighting media.  
Do not allow run-off from fire fighting to enter drains or water courses.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Avoid contact with spilled product or contaminated surfaces.  
Wear personal protective equipment. Unprotected persons must be kept away.

**Environmental precautions**

Do not discharge into the drains/surface water/groundwater.

**Methods for cleaning up**

Take up with absorbent material (e.g. sand, earth or a proprietary absorbent material).  
Clean contaminated floors and objects thoroughly, observing environmental regulations.  
Pack spilled material in suitable containers for recovery or disposal.

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Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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**7. HANDLING AND STORAGE****Handling**

Advice on safe handling

Use only in area provided with appropriate exhaust ventilation.

**Storage**

Requirements for storage areas and containers

Keep container tightly closed in a dry and well-ventilated place.

Store in a place accessible by authorized persons only.

Keep only in the original container at temperature not exceeding 50 °C.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

German storage class

10 Combustible liquids neither in Storage Class 3A nor 3B

Storage stability

Other data

Do not store at temperatures below -10 °C.

Suitable materials

HDPE (high density polyethylene)

coextruded polymer barrier

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Personal protective equipment**

Respiratory protection

If product is handled while not enclosed, and if skin contact may occur:

Full mask

Multi-range filter ABEK/P2

Hand protection

solvent-resistant gloves

Hygiene measures

Avoid contact with skin, eyes and clothing.

Keep working clothes separately.

Wash hands before breaks and at the end of workday.

Remove soiled or soaked clothing immediately and clean thoroughly before using again.

Garments that cannot be cleaned must be destroyed (burnt).

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form

liquid

Colour

yellowish

Odour

aromatic

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Flash point	> 172 °C DIN 51758
Ignition temperature	345 °C
Density	ca. 0,97 g/ml at 20 °C
Water solubility	emulsifiable
Viscosity, kinematic	34,1 mm <sup>2</sup> /s at 20 °C
Surface tension	28,6 mN/m at 20 °C
Explosivity	92/69/EEC, A.14 / OECD 113 Not explosive

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**10. STABILITY AND REACTIVITY**

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**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	LD50 (rat) > 200 - < 2.000 mg/kg
Acute inhalation toxicity	LC50 (rat) ca. 5 mg/l Exposure time: 4 h (as aerosol)
Acute dermal toxicity	LD50 (rat) > 4.000 mg/kg
Skin irritation	non-irritant (rabbit)
Eye irritation	Risk of serious damage to eyes. (rabbit)
Sensitization	non-sensitizing (guinea pig) OECD Test Guideline 406, Buehler test
Sensitization	non-sensitizing (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test

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**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Toxicity to fish	LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 9,28 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea ( <i>Daphnia magna</i> )) 7,3 mg/l Exposure time: 48 h

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Toxicity to algae	EC50 (Pseudokirchneriella subcapitata) 3,51 mg/l Growth rate Exposure time: 72 h
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**13. DISPOSAL CONSIDERATIONS****Product**

Dispose of by incineration in an authorised special waste incineration plant. Comply with local legislation.

For larger quantities contact manufacturer.

**Waste key for the unused product**

020108 agrochemical waste containing dangerous substances

**14. TRANSPORT INFORMATION****ADR/RID/ADNR**

UN-No	<b>3082</b>
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE SOLUTION)

**IMDG**

UN-No	<b>3082</b>
Class	9
Packaging group	III
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE SOLUTION )

**IATA**

UN-No	<b>3082</b>
Class	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEBUCONAZOLE SOLUTION )

**15. REGULATORY INFORMATION**

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

## Classification:

Labelling according to EEC Directive

Hazardous components which must be listed on the label:

- Tebuconazole
- N,N-dimethyl decanamide

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## Symbol(s)

Xn	Harmful
N	Dangerous for the environment

## R-phrases(s)

R20/22	Harmful by inhalation and if swallowed.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## S-phrases(s)

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35	This material and its container must be disposed of in a safe way.
S39	Wear eye/face protection.
S57	Use appropriate containment to avoid environmental contamination.

## Exceptional labelling of special preparations

To avoid risks to man and the environment, comply with the instructions for use.

## Further information

WHO-classification: II (Moderately hazardous)

**National legislation**

Registration No. (Germany)	4028-00
Risk classification according to BetrSichV (Germany)	Not subject to the regulations on combustible liquids.
Water contamination class (Germany)	WGK 2 water endangering
Legislation on the control of major-accident hazards involving dangerous substances	Subjected to the "Disasters and Major Accidents Act " Annex I, list of dangerous substances, No. 9b
Other regulations	BG Data Sheet M004 "Irritating substances / corrosive substances" BG Leaflet M050 "Working With Hazardous Substances" BG Leaflet M053 "General Protective Measures For Working With Hazardous Substances"

**16. OTHER INFORMATION****Further information**

Text of R phrases mentioned in Section 2:

R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The advice on classification in section 15 of this Safety Data Sheet is based on European Directive on Preparations (1999/45/EC and its subsequent adaptations). The legislation on pesticide preparations should be applied by EU Member States not later than 30 July 2004.

The information given in this Data Sheet has been included in accordance with the guidelines established by EC Directive 1991/155/EC as amended. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge



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available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

For further information on active ingredients see also: Wirkstoffe in Pflanzenschutz- und Schädlingsbekämpfungsmitteln: physikalisch-chemische und toxikologische Daten IVA, Industrieverb. Agrar e.V. - 3., Neubearb. Aufl. - München; Wien; Zürich; BLV Verl.-Ges.mBH, 2000 ISBN 3-405-15809-5

Changes since the last version will be highlighted in the margin. This version replaces all previous versions.
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