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

Product information

Trade name: TRIFLOXYSTROBIN + TEBUCONAZOLE WG 75
Product code (UVP): 06418015
Usage: Fungicide
Company: Bayer CropScience AG
             Alfred-Nobel-Straße 50
             40789 Monheim am Rhein
             Germany
Telefax: +49(0)2173-38-7394
Responsible Department: Product Safety and Specification Management
             +49(0)2173-38-3409/3189 (during business hours only)
             Email: BCS-MSDS@bayer.com
Emergency telephone no.: +1 (760) 476-3964 (Company 3E for Bayer CropScience)

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION

Classification in accordance with the EC directives 67/548/EEC or 1999/45/EC.
Possible risk of harm to the unborn child.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification in accordance with Regulation (EC) No 1272/2008.
Reproductive toxicity: Category 2
   H361d Suspected of damaging the unborn child.
Acute aquatic toxicity, Chronic aquatic toxicity: Category 1
   H400 Very toxic to aquatic life.
   H410 Very toxic to aquatic life with long lasting effects.

2.2 LABELLING

Labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.
Classified as hazardous for supply/use.
Hazardous components which must be listed on the label:
- Trifloxystrobin
- Tebuconazole

Symbol(s)
   Xn Harmful
   N Dangerous for the environment
R-phrase(s)

R63  Possible risk of harm to the unborn child.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S35  This material and its container must be disposed of in a safe way.
S36/37 Wear suitable protective clothing and gloves.
S57  Use appropriate container to avoid environmental contamination.

To avoid risks to man and the environment, comply with the instructions for use.
Contains trifloxystrobin. May produce an allergic reaction.

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Classified as hazardous for supply/use.

Hazardous components which must be listed on the label:
- Trifloxystrobin
- Tebuconazole

Signal word:
Warning

Hazard statements

H361d Suspected of damaging the unborn child.
H410 Very toxic to aquatic life with long lasting effects.
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.
EUH208 Contains Trifloxystrobin. May produce an allergic reaction.

Precautionary statements

P281 Use personal protective equipment as required.
P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P501 Dispose of contents/container in accordance with local regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Water dispersible granules (WG)
Trifloxystrobin 25%, Tebuconazole 50%

Hazardous components

R-phrase(s) according to EC directive 67/548/EEC
Hazard statements according to Regulation (EC) No. 1907/2006

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS-No. / EC-No.</th>
<th>Symbol(s)</th>
<th>Pictogram</th>
<th>Hazard statements</th>
<th>Concentration [%]</th>
</tr>
</thead>
</table>

4. FIRST AID MEASURES

General advice
Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

Inhalation
Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

Skin contact
Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.

Eye contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

Notes to physician

Treatment
Treat symptomatically.
In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Water spray
Carbon dioxide (CO2)
Foam
Sand

Specific hazards during firefighting
In the event of fire the following may be released:
Hydrogen chloride (HCl)
Hydrogen cyanide (hydrocyanic acid)
Hydrogen fluoride
Carbon monoxide (CO)
Nitrogen oxides (NOx)

Special protective equipment for fire-fighters
In the event of fire and/or explosion do not breathe fumes.
In the event of fire, wear self-contained 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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Avoid contact with spilled product or contaminated surfaces.
Use personal protective equipment.

Environmental precautions
Do not allow to get into surface water, drains and ground water.

Methods for cleaning up
Use mechanical handling equipment.
Clean contaminated floors and objects thoroughly, observing environmental regulations.
Keep in suitable, closed containers for disposal.

Additional advice
Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

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
Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in a place accessible by authorized persons only.
Keep away from direct sunlight.

Advice on common storage
Keep away from food, drink and animal feedingstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters
Components | CAS-No. | Control parameters | Update | Basis |
--- | --- | --- | --- | --- |
Trifloxystrobin | 141517-21-7 | 2.7 mg/m³ (TWA) | OES BCS* |
Tebuconazole | 107534-96-3 | 0.2 mg/m³ (TWA) | OES BCS* |

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection

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

Wear respirator with a particle filter mask (protection factor 4) conforming to European norm EN149 FFP1 or equivalent.

Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0.40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection

Wear goggles conforming to EN166 (Field of Use 5 or equivalent).

Skin and body protection

Wear standard coverall and type 5 suit.

Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.

Hygiene measures

Avoid contact with skin, eyes and clothing.

Keep working clothes separately.

Wash hands immediately after work, if necessary take a shower.

Remove soiled clothing immediately and clean thoroughly before using again.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

Form: water-dispersible granules

Colour: white to light beige

Odour: weak, characteristic

**Safety data**
**TRIFLOXYSTROBIN + TEBUCONAZOLE WG 75**

10. **STABILITY AND REACTIVITY**

   Hazardous reactions
   No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.

11. **TOXICOLOGICAL INFORMATION**

   Acute oral toxicity
   LD50 (rat) >= 5,000 mg/kg

   Acute dermal toxicity
   LD50 (rat) > 2,000 mg/kg

   Skin irritation
   No skin irritation (rabbit)

   Eye irritation
   No eye irritation (rabbit)

   Sensitisation
   Non-sensitizing. (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test

   Assessment Mutagenicity
   In vitro mutagenicity experiments do not indicate genotoxicity.

12. **ECOLOGICAL INFORMATION**

   Ecotoxicity effects
   **Toxicity to fish**
   LC50 (Rainbow trout (Oncorhynchus mykiss)) 0,064 mg/l
   Exposure time: 96 h

   **Toxicity to aquatic invertebrates**
   LC50 (Water flea (Daphnia magna)) 0,0138 mg/l
   Exposure time: 48 h

   **Toxicity to aquatic plants**
   EC50 (Pseudokirchneriella subcapitata) > 0,150 mg/l
   Growth rate; Exposure time: 72 h

13. **DISPOSAL CONSIDERATIONS**
Product
In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Contaminated packaging
Not completely emptied packagings should be disposed of as hazardous waste.

Waste key for the unused product
020108  agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION

ADR/RID/ADN
UN-Number 3077
Labels 9
Packaging group III
Hazard no. 90
Environm. Hazardous Mark YES
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TEBUCONAZOL, TRIFLOXYSTROBIN MIXTURE)
Tunnel Code E
This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

IMDG
UN-Number 3077
Labels 9
Packaging group III
EmS F-A, S-F
Marine pollutant YES
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TEBUCONAZOL, TRIFLOXYSTROBIN MIXTURE)

IATA
UN-Number 3077
Labels 9
Packaging group III
Environm. Hazardous Mark YES
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TEBUCONAZOL, TRIFLOXYSTROBIN MIXTURE)

15. REGULATORY INFORMATION

Further information
WHO-classification: III (Slightly hazardous)

16. OTHER INFORMATION
Further information

Text of R-phrases mentioned in Section 3

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.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 Possible risk of harm to the unborn child.

Text of the hazard statements mentioned in Section 3

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

The information given in this Data Sheet has been included in accordance with the guidelines established by Regulation (EC) 1907/2006. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge 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.


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