

**ALIETTE WP80 1X500 KG FBC WW**Version 1 / EU
1020000015331/6
Revision Date: 05.08.2008
Print Date: 08.02.2010**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name ALIETTE WP80 1X500 KG FBC WW
Product code (UVP) 05920965
Usage Fungicide
Company Bayer CropScience AG
Alfred-Nobel-Straße 50
40789 Monheim am Rhein
Germany

Telefax +49(0)2173-38-7394
Responsible Department Material and Transport Safety Management
+49(0)2173-38-3409/3189 (during business hours only)
Email: INFO.EHS@bayercropscience.com

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

2. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

No particular hazards known.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**Wettable powder (WP)
Fosetyl-aluminium 80% WP**Hazardous components**

| Chemical Name | CAS-No. / EINECS-No. | Symbol(s) | R-phrases(s) | Concentration [%] |
|---------------------------------|-------------------------|-----------|--------------|-------------------|
| Fosetyl Aluminium | 39148-24-8 254-320-2 | Xi | R41 | 80,00 |
| Alcohols, C11-14-iso-, C13-rich | 68526-86-3 271-235-6 | N | R50 | > 0,25 - < 2,50 |
| Ethoxylated Alcohols C10-C16 | 68002-97-1 | Xn | R22, R41 | > 1,00 - < 5,00 |

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES**General advice**

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation

Move to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.



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Skin contact

If symptoms persist, call a physician. Take off contaminated clothing and shoes immediately. Wash off with soap and water.

Eye contact

Wash off immediately with plenty of water for at least 15 minutes. Eye treatment by an ophthalmologist.

Ingestion

Do NOT induce vomiting. Rinse out mouth and give water in small sips to drink. Call a physician or poison control center immediately. Keep patient warm and at rest.

Notes to Physician

Symptoms

The following symptoms may occur: The product causes irritation of eyes, skin and mucous membranes.

Treatment

There is no specific antidote. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam
Dry powder
Carbon dioxide (CO₂)

Specific hazards during fire fighting

In the event of fire the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Oxides of phosphorus

Special protective equipment for fire-fighters

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

Environmental Precautions

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

Methods for Cleaning Up

Use approved industrial vacuum cleaner for removal.
Collect and transfer the product into a properly labelled and tightly closed container.

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

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Advice on safe handling

Use only in area provided with appropriate exhaust ventilation.

Storage

Requirements for storage areas and containers

Keep containers tightly closed in a dry, cool and well-ventilated place.

Store in a place accessible by authorized persons only.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Suitable materials

Aluminium composite film (min. 0,007 mm Aluminium)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

| Components | CAS-No. | Control parameters | Update | Basis |
|-------------------|------------|----------------------|--------|----------|
| Fosetyl Aluminium | 39148-24-8 | 10 mg/m ³ | | 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

Wear respirator with a particle filter mask (protection factor 4) conforming to European norm EN149FFP1 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.

Hygiene measures

Remove soiled clothing immediately and clean thoroughly before using again.

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

Smoking, eating and drinking should be prohibited in the application area.

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9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

| | |
|--------|----------------|
| Form | powder, fine |
| Colour | light beige |
| Odour | characteristic |

Safety data

| | |
|--|--|
| pH | 3 - 4 at 1 % (23 °C) |
| Flammability (solid, gas) | The product is not highly flammable. |
| Lower explosion limit | 60 g/m ³ |
| Bulk Density | approx. 370 kg/m ³ at 20 °C |
| Water solubility | dispersible |
| Partition coefficient: n-octanol/water | log Pow: -2,1 The value mentioned relates to the active ingredient fosetyl aluminium. |

10. STABILITY AND REACTIVITY

| | |
|---------------------|---|
| Hazardous Reactions | No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions. |
|---------------------|---|

11. TOXICOLOGICAL INFORMATION

| | |
|---------------------------|---|
| Acute Oral Toxicity | LD50 (rat) 8.000 mg/kg |
| Acute Inhalation Toxicity | LC50 (rat) > 5,11 mg/l Exposure time: 4 h The value mentioned relates to the active ingredient fosetyl aluminium. |
| Acute Dermal Toxicity | LD50 (rat) > 5.000 mg/kg |
| Skin Irritation | No skin irritation. (rabbit) |
| Eye Irritation | Slight irritant effect - does not require labelling. (rabbit) |
| Sensitization | Non-sensitizing. (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test The value mentioned relates to the active ingredient fosetyl aluminium. |

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| | |
|---------------------|---|
| Toxicity to Fish | LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 213 mg/l Exposure time: 48 h |
| Toxicity to daphnia | EC50 (Water flea (<i>Daphnia magna</i>)) 37 mg/l Exposure time: 48 h |
| Toxicity to algae | EC50 (<i>Scenedesmus subspicatus</i>) 56,3 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient fosetyl aluminium. |

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

According to national and international transport regulations not classified as dangerous goods.

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

Classification:

Hazard warning labelling not compulsory

Hazardous components which must be listed on the label:

- Fosetyl Aluminium

Exceptional labelling

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

Further information

WHO-classification: III (Slightly hazardous)

16. OTHER INFORMATION**Further information**

Text of R-phrases mentioned in Section 3

R22 Harmful if swallowed.



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R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.

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.