

Safety Data Sheet

346628/07

Date of issue: October 1, 2002

Page 01 of 04

1. Identification of the substance/preparation and the company

Baycidal WP 25

04007425

Bayer CropScience AG, BCS-IOP-QHSE+Site Services
Material and Transport Safety Management
41538 Dormagen, Germany, Telephone: +49 2133 515012
In case of emergency: +49 214 30 99300 (Sicherheitszentrale Bayer AG)

***2. Composition/information on ingredients**

preparation contains

triflumuron

weight %: 25

CAS No.: 64628-44-0

Index No.: --

hazard symbol: N

EINECS No.: 264-980-3

R-phrases: 50

calcium-dodecylbenzenesulfonate

weight %: approx. 3,5

CAS No.: 26264-06-2

Index No.: --

hazard symbol: Xi

EINECS No.: 247-557-8

R-phrases: 38-41

3. Hazards identification

No particular hazards known.

***4. First-aid measures**

GENERAL INFORMATION:

Remove patients from the danger zone. If there is a risk of unconsciousness, position and transport in stable lateral position. Remove soiled or soaked clothing immediately.

FOLLOWING SKIN CONTACT:

Wash skin immediately with copious amounts of water and soap.

FOLLOWING EYE CONTACT:

Rinse eyes thoroughly with water. Consult an eye specialist.

UPON SWALLOWING:

Call emergency doctor immediately.

INFORMATION FOR THE PHYSICIAN:

See Chapter 11 for information on toxicology.

The active ingredient listed in Chapter 2 belongs to the following chemical group: benzoyl urea.

Therapeutic measures: Basic aid, decontamination, symptomatic treatment.

For further recommendations see "Wirkstoffe in Pflanzenschutz- und Schädlingsbekämpfungsmitteln, Physikalisch-chemische und toxikologische Daten" (Active Ingredients in Crop Protection Products and Pesticides, Physico-Chemical and Toxicological Data). Published by Industrieverband Agrar e.V., D-60329 Frankfurt am Main, Germany 2000.

Safety Data Sheet

346628/07

Date of issue: October 1, 2002
Baycidal WP 25

04007425

Page 02 of 04

5. Fire-fighting measures

Extinguishing media: sprayed water jet, foam, extinguishing powder, CO₂, sand

Fight fire in early stages if safe to do so.

Wear respiratory protection.

Well ventilated areas: full face mask with combination filter, e.g. ABEK-P2 (offers no protection from carbon monoxide!)

Enclosed premises: respirator with independent air supply.

Contain firefighting water.

In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, hydrogen fluoride, carbon monoxide and nitrogen oxides must be anticipated.

6. Accidental release measures

Use the personal protective equipment listed in Chapter 8. Do not empty into drains or waters. Take up spilled product with dust-binding material or suitable vacuum cleaner. Avoid formation of dust. Fill materials taken up into closable container. To clean the floor and all objects contaminated by this material, use damp cloth. Also place used cleaning materials into closable receptacles.

7. Handling and storage

INFORMATION ON SAFE HANDLING:

Suitable container materials: HDPE (high density polyethylene), LDPE (low density polyethylene).

When using open containers, use local exhaust ventilation to prevent dusts from spreading. Make provision for product and fire-fighting water to be retained.

INFORMATION ON FIRE AND EXPLOSION PREVENTION:

Take precautions to prevent formation of explosive mixtures:

Keep away from sources of ignition - No smoking.

Follow the explosion protection guidelines of the "Berufsgenossenschaft der Chemischen Industrie" (Employers' Liability Insurance Association for the German Chemical Industry).

Keep container tightly closed.

Prevent formation of dust deposits and whirling-up of dust.

INFORMATION ON STORAGE:

See Chapter 15 for storage regulations.

Observe the rules contained in the VCI concept for separate/common storage.

For reasons of quality assurance, keep dry at temperatures under 40 °C.

Keep away from food, drink and animal feeding stuffs.

8. Exposure controls/Personal protection

For technical protective measures to limit exposure see also Chapter 7 "Handling and storage".

Workplace-related thresholds are listed in Chapter 15 "Regulations".

(to be continued)

Safety Data Sheet

346628/07

Date of issue: October 1, 2002

Page 03 of 04

Baycidal WP 25

04007425

8. Exposure controls/Personal protection (Continuation)

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

Respiratory protection: Fine dust mask (Class P1)

Respiratory protection instructions ZH1/701 issued by the German Confederation of Commercial Employers' Accident Liability Insurance Associations must be observed.

Hand protection: protective gloves for chemicals

Eye protection: goggles

Occupational health:

Keep the place of work clean. Avoid contact with product. Change badly soiled or soaked clothing. Wash hands before breaks and at end of work.

9. Physical and chemical properties

tested in accordance with

Form: solid, powder

Colour: white-yellow

Odour: slight characteristic smell

pH value: 7,0-9,0 at 1 % in water

Bulk volume fluffed: approx. 420 ml/100 g

Bulk volume jolted: approx. 320 ml/100 g

Solubility in water: dispersible

Solid products combustibility: BZ 2 = brief ignition and rapid extinction (VDI 2263).

Impact sensitivity: > 40 joule i.e. not sensitive to impact (in BAM dropping weight test; BAM = German Federal Institute for Materials Testing)

Risk of dust explosion: may cause dust explosion

10. Stability and reactivity**11. Toxicological information**

Acute toxicity:

LD₅₀ oral, rat: > 5000 mg/kg (Bayer) (1)

LD₅₀ dermal, rat: > 5000 mg/kg (Bayer) (1)

Irritation of the skin/rabbit: non-irritant (Bayer)

Irritant to the mucous membranes/rabbit: slightly irritant * (Bayer)

* does not necessitate labelling

(1) Test results of a similar product

12. Ecological information

Fish toxicity: (active ingredient)

LC₅₀: > 100 mg/l (96 h); Golden orfe (*Leuciscus idus*) (Bayer)

LC₅₀: > 320 mg/l (96 h); oncorhynchus mykiss (Bayer)

Toxicity for Daphnia: (active ingredient)

EC₅₀: 0,23 mg/l (48 h); Water flea (*Daphnia magna*) (Bayer)

Toxicity for algae: (active ingredient)

Growth rate:

IC₅₀: > 0,025 mg/l (96 h); Green algae (*Scenedesmus subspicatus*) (Bayer)

Safety Data Sheet

346628/07

Date of issue: October 1, 2002
 Baycidal WP 25

04007425

Page 04 of 04

13. Disposal considerations

In cases where larger amounts of the product have become unusable, it should be established whether material utilisation is possible (if necessary, consult the manufacturer/suppliers). Small amounts of the product and uncleaned empty packaging should be packaged and sealed, labelled and transferred to a suitable incinerator in accordance with the local regulations.

European Waste Catalogue (EWC) code: 070499, 020105

***14. Transport information**

GGVSee/IMDG Code: -- UN No.: no EmS: --
 PG: -- MPO: --
 GGVSE: Class 9 PG: III RID/ADR: Class 9 PG: III
 Warning sign: Hazard no. 90 Substance no. 3077
 ADNR: Class 9 PG: III Cat -- ICAO/IATA-DGR: 9 3077 III
 Limited quantity regulations applicable in accordance with chapter 3.4 RID/ADR in compliance with threshold value
 Declaration for land shipment: 3077, Umweltgefaehrdender Stoff, fest, n.a.g.
 (25% TRIFLUMURON (PULVER))
 Declaration for sea shipment:
 Declaration for shipment by air: Environmentally hazardous substance, solid, n.o.s.
 (25% TRIFLUMURON)
 Other information:
 Environmentally hazardous substance (GGVSE, RID/ADR). Keep dry. Keep separated from foodstuffs.

***15. Regulatory information**

No labelling is required in accordance with the EEC directives.

MAK value: German Research Association (DFG), Bulletin no. 37 (2001):
 General dust tolerance limit
 (Portion A, penetrating the alveoli; formerly fine dust): 1.5 mg/m³ A
 General dust tolerance limit
 (Portion E, respirable; formerly total dust): 4 mg/m³ E

VCI storage class: 11

16. Other information

Wettable powder
 Application: insecticide

This safety data sheet applies to the handling of the product during manufacture, transport and storage. The enclosed instructions for use should be consulted prior to use.

Address in case of poisoning, fire or damage: Bayer AG; Feuerwehr
 D-41538 Dormagen; Tel. 02133/514233

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.