

Safety Data Sheet

845632/03

Date of issue: December 4, 1998

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1. Identification of the substance/preparation and the company**MONICLE**

Bayer plc, Responsible Care Group
Bayer House, Strawberry Hill, Newbury, Berkshire RG14 1JA
Tel.: (01635) 563000 Fax: (01635) 563890

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

preparation contains

tebuconazole	
200 g/l	(CAS No.: 107534-96-3)
fenpropidin	
300 g/l	(CAS No.: 67306-00-7)
n-(n-octyl)-2-pyrrolidon	
wt.-%: ca. 19	(CAS No.: 2687-94-7)
N,N-dimethylcapramide	(CAS No.: 14433-76-2)
N,N-dimethylcaprylamide	(CAS No.: 1118-92-9)
wt.-%: ca. 15	

***3. Hazards identification**

Harmful in contact with skin and if swallowed.
Risk of serious damage to eyes.
Irritating to skin.

***4. First-aid measures**

Remove patients from the danger zone. Remove soiled or soaked clothing immediately.
UPON INHALATION:
Bring accident victims out into the fresh air. Call a doctor immediately.
FOLLOWING SKIN CONTACT:
Wash skin immediately with copious amounts of water and soap. Then seek medical advice.
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 ingredients listed in Chapter 2 belong to the following chemical group: triazole compound (tebuconazole), piperidine derivative (fenpropidin).
Therapeutic measures: Basic aid, decontamination, symptomatic treatment.

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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 a suitable filter combination, of a type approved by the Health and Safety Executive.

Enclosed premises: respirator with independent air supply.

Contain firefighting water.

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

6. Accidental release measures

Use the personal protective equipment listed in Chapter 8. Prevent entry into drains, waters or soil. Take up spilled product with absorbent material (e.g. sawdust, peat, chemical binder). 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.

NB: Inform the local Water plc immediately if spillage enters drains, and the Environment Agency or Scottish Environmental Protection Agency if it enters surface or ground water. If the product has entered a watercourse or sewer, or has grossly contaminated soil or vegetation in a public place, advise the police.

7. Handling and storage

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

*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".

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

Respiratory protection: full mask with filter ABEK-P2

Further details of selection and use of respiratory protective equipment is available in the form of a Health and Safety Executive publication:

'Respiratory protective equipment - a practical guide for users'.(ZH1/134)

Hand protection: protective gloves for chemicals (nitrile).

Eye protection: goggles.

Occupational health:

Keep the place of work clean. Avoid contact with product. Keep working clothes separate. 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: liquid, clear

Colour: yellow

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***9. Physical and chemical properties** (Continuation) tested in accordance with

Odour:	aromatic	
pH value:	9,0-9,5 at 1 % in water	
Density:	ca. 0,98 g/cm ³ at 20 °C	
Solubility in water:	emulsifiable	
Partition coefficient:	log P octanol/water =	
	tebuconazole: 3,7	
Flash point:	> 147 °C	DIN 51758

10. Stability and reactivity

See chapters 5, 7

11. Toxicological information

Acute toxicity:

LD₅₀ oral, rat: > 500 mg/kg (Bayer)LD₅₀ dermal, rat: > 2000 mg/kg (Bayer)

Irritation of the skin/rabbit: severely irritant (Bayer)

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

Inhalation: The formulation described in this data sheet was classified by the conventional method.

***12. Ecological information**

Fish toxicity:

fenpropidin:

LC₅₀: 2,6 mg/l (96 h); rainbow trout (*Salmo gairdneri*) (Bayer)LC₅₀: 1,9 mg/l (96 h); Bluegill (*Lepomis macrochirus*) (Bayer)LC₅₀: 3,6 mg/l (96 h); carp (*Cyprinus carpio*) (Bayer)

tebuconazole:

LC₅₀: 4,4 mg/l (96 h); rainbow trout (*Salmo gairdneri*) (Bayer)LC₅₀: 5,7 mg/l (96 h); (*Lepomis macrochirus*) (Bayer)**13. Disposal considerations**

Package product wastes. Close and label the waste receptacles and, likewise, any uncleaned empty containers. Dispose of them at a suitable waste incineration plant in accordance with the official regulations. Where large quantities are concerned, consult the supplier.

***14. Transport information**

GGVSee/IMDG Code: -- UN No.: no MFAG: -- EmS: --

PG: -- MPO: --

GGVE/GGVS: Class 9 No. 11C RID/ADR: Class 9 No. 11C

Warning sign: Hazard no. 090 Substance no. 3082

ADNR: Class 9 No. 11C Cat -- ICAO/IATA-DGR: not restr.

Limited quantity regulation applicable in accordance with a-marginal-number GGVE/RID/GGVS/ADR/ADNR in compliance with threshold value

Declaration for land shipment: 3082, Environmentally hazardous substance, liquid, n.o.s.
(20%TEBUCONAZOLE/31%FENPROPIDIN/FATTY ACID AMIDE SOLUTION)

Declaration for sea shipment: --

(to be continued)

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***14. Transport information** (Continuation)

Declaration for shipment by air: --

Other information:

Environmentally hazardous substance (GGVE/GGVS, RID/ADR). Irritating to skin and eyes. Keep separated from foodstuffs.

° Please note that at the time of preparation of this data sheet, this classification has not been fully adopted under UK legislation, so is currently not appropriate for UK stock movements of finished agrochemical products.

***15. Regulatory information**Product label conforms to the Control of Pesticides Regulations 1986.
MAFF No 07375.

Risk Phrases:

R 21/22: Harmful in contact with skin and if swallowed.

R 41: Risk of serious damage to eyes.

R 38: Irritating to skin.

All the constituents are classified as existing chemicals in the EC Guidelines.

***16. Other information**

Emulsifiable concentrate

Application: fungicide

Address in case of poisoning, fire or damage:

Bayer plc

Crop Protection and Animal Health Business Groups

Eastern Way, Bury St Edmunds, Suffolk, IP32 7AH

Tel: 01284-763200 Fax: 01284-702810

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.