

# Safety data sheet

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BASF Safety data sheet according to 91/155/EEC  
Date / Revised: 28.03.2003  
Product: **Fendona SC**

Version: 1.3

(30132782/SDS\_CPA\_EU/EN)

Date of print 29.03.2003

## 1. Substance/preparation and company identification

### Fendona SC

Company:

BASF Aktiengesellschaft  
Unternehmensbereich Pflanzenschutz  
67056 Ludwigshafen, Deutschland  
Telephone: +49-621-60-79321/ 79146  
Telefax number: +49-621-60-79519  
E-mail address: team-tuerk.apt-eew@basf-ag.de

Emergency information:

Fire brigade BASF Ludwigshafen  
Telephone: 0621-60-43333  
Telefax number: 0621-60-92664

## 2. Composition/information on ingredients

Chemical nature

crop protection agents, insecticide, suspension concentrate (SC)

Hazardous ingredients

alpha-Cypermethrin

Content (W/W): 5,9 %  
CAS Number: 67375-30-8

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

## 3. Hazard identification

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. First-aid measures

General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

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**If inhaled:**

Keep patient calm, remove to fresh air, seek medical attention.

**On skin contact:**

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

**On contact with eyes:**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**On ingestion:**

Rinse mouth immediately and then drink plenty of water, seek medical attention.

**Note to physician:**

Symptoms: numbness and tingling of hands and feet, lung oedema, convulsions

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-fighting measures

**Suitable extinguishing media:**

water spray, foam, water fog, dry extinguishing media

**Specific hazards:**

carbon monoxide, hydrogen chloride, nitrogen oxides, organochloric compounds

The substances/groups of substances mentioned can be released in case of fire.

**Special protective equipment:**

Wear self-contained breathing apparatus and chemical-protective clothing.

**Further information:**

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental release measures

**Personal precautions:**

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

**Environmental precautions:**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

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Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

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## 7. Handling and storage

### Handling

No special measures necessary if stored and handled correctly.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

### Storage

Segregate from foods and animal feeds. Segregate from strong bases.

Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

Protect from temperatures below: -10 °C

Protect from temperatures above: 40 °C

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## 8. Exposure controls and personal protection

### Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter EN 143 Type P2, medium efficiency, (solid and liquid particles of harmful substances).

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Eye protection:

Tightly fitting safety goggles (splash goggles) (EN 166)

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**Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

**General safety and hygiene measures:**

Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Take off immediately all contaminated clothes. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or snuff-taking at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

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## 9. Physical and chemical properties

Form:	liquid, suspension
Colour:	white
pH value:	7 - 8 (measured with the undiluted substance)
Density:	approx. 1,02 g/cm <sup>3</sup> (20 °C)
Solubility in water:	dispersible

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## 10. Stability and reactivity

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
strong bases

Hazardous reactions:  
No hazardous reactions known.

Hazardous decomposition products: No hazardous decomposition products known.

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## 11. Toxicological information

LD50/oral/rat: > 5.000 mg/kg

LD50/dermal/rat: > 2.000 mg/kg

Primary skin irritation/rabbit: non-irritant

Primary irritations of the mucous membrane/rabbit: non-irritant

Sensitization: Non-sensitizing.

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Additional information:

The statement was derived from products of similar composition.  
 Misuse can be harmful to health.

## 12. Ecological information

### Ecotoxicity

*Information on: alpha-Cypermethrin*

*Toxicity to fish:*

*Oncorhynchus mykiss/LC50 (96 h): 0,0028 mg/l*

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*Information on: alpha-Cypermethrin*

*Aquatic invertebrates:*

*Daphnia magna/LC50 (48 h): 0,0001 - 0,0003 mg/l*

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*Information on: alpha-Cypermethrin*

*Aquatic plants:*

*Pseudokirchneriella subcapitata/EC50 (96 h): > 0,1 mg/l*

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## 13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport information

### Land transport

<b>ADR</b>	: Class	9
	Packaging group	III
	UN-number	3082
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: ALPHA-CYPERMETHRINE)

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<b>RID</b>	: Class	9
	Packaging group	III
	UN-number	3082
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: ALPHA-CYPERMETHRINE)

**Inland waterway transport**

<b>ADNR</b>	: Class	9
	Item/Letter	11c)
	Packaging group	III
	UN-number	3082
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: ALPHA-CYPERMETHRINE)

**Sea transport**

<b>IMDG/GGVSee</b>	: Class	9
	Packaging group	III
	UN-number	3082
	Marine pollutant	YES
	Exact technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ALPHA-CYPERMETHRINE)

**Air transport**

<b>ICAO/IATA</b>	: Class	9
	Packaging group	III
	UN-number	3082
	Exact technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ALPHA-CYPERMETHRINE)

**15. Regulatory information****Regulations of the European union (Labelling) / National legislation/Regulations**Self classification:

## S-phrase(s)

S2	Keep out of reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S20/21	When using, do not eat, drink or smoke.
S36/37	Wear suitable protective clothing and gloves.

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not subject to labelling

**Other regulations**

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**16. Other information**

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.