

**TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE.**

**DIRECTIONS FOR USE:**

FENDONA 6 SC controls insects by contact and ingestion and is recommended for the control of mosquitoes, flies, cockroaches, fleas and other household pests. FENDONA 6 SC is of low toxicity to humans and other mammals and is safe to use in domestic and public areas. When applied as a surface spray FENDONA 6 SC offers long residual activity. To obtain best results all surfaces should be treated, especially cracks and infested areas. A higher volume of water may be required on absorbent surfaces. Evacuate premises to be sprayed. Ensure all food, as well as equipment and surfaces on which food is stored, prepared or eaten is NOT exposed to the spray.

**DOSAGE RATE:**

**INDOOR RESIDUAL SPRAYING:**

Mix 100 ml of FENDONA 6 SC with 10 litres water. The spray wash suspension is applied to just before point of run off, equivalent to a rate of 1 liter of the mixture per 20 square metres of surfaces. This rate of application will give excellent control of mosquitoes, flies and cockroaches for extended periods.

**MOSQUITO NETS:**

FENDONA 6SC can be used to treat mosquito nets for effective and long lasting control of mosquitoes, bedbugs, ticks and other biting insects.

**DOSAGE RATES:** Each litre of FENDONA 6SC contains 60 000 mg (60 g/litre) of active ingredient - alphacypermethrin. The recommended dose rate for mosquito nets is 30-40mg/m<sup>2</sup>. The surface area of a single net is about 9m<sup>2</sup>, therefore one would require (30x9)/60 000x2000 = 4.5 mls of FENDONA 6SC to achieve 30mg/m<sup>2</sup>. Since the surface area of nets varies, one should obtain the surface area of the net before treating.

**APPLICATION:** Pour water into a bucket or dish (amount of water will depend on the absorption rate of the net). Add the required amount of FENDONA 6SC. Submerge the net in the mixture and agitate for 2 minutes to ensure the product is evenly distributed. Take out and allow excess liquid to drain back. DO NOT WRING. Place on a flat, non-absorbent surface to dry.

**APPLICATION:**

FENDONA 6 SC can be applied with a knapsack sprayer or other conventional spray equipment used for residual applications. In the absence of any spraying equipment dilute 100 ml FENDONA 6 SC with 20 litres of water and splash the mixture onto the desired surface from a small container or with the aid of a broad brush. Premises may be re-occupied as soon as spraying has been completed and the spray is dry.

**WARRANTY:**

This product and the recommendations concerning its use should give excellent results, but the performance of pesticides can be greatly influenced by factors outside the manufacturer's control, the manufacturer and seller give no guarantee or warranty, expressed or implied concerning the use of this product and they assume no responsibility for damage, injury or loss of profit arising from the use thereof.

**SHELF LIFE:**

Two years from date of manufacture (see side of container) if stored in original, sealed container in a

**FOR FURTHER INFORMATION ON THIS PRODUCT OR IN THE EVENT OF AN EMERGENCY, PHONE 0712 204 946 / 7.**

# Fendona® 6SC

Registration No  
97-D-145-1

NET CONTENTS

1 Litre



**HARMFUL IF SWALLOWED**

Composition	mass/volume
alphacypermethrin .....	60 g/litre
solvents and emulsifiers .....	940 g/litre

**Chemical Group : synthetic pyrethroid**

**A residual insecticide for the control of mosquitoes, flies and cockroaches in domestic and public buildings and areas. Can be used for the treatment of mosquito nets to control mosquitoes and other biting insects.**

**Registered by:**

Pivotal Agro-Services, P.O. Box WGT 450, Westgate.  
Telephone : 309 800

**Manufactured in the EU**

® = Registered trademark of BASF Aktiengesellschaft, 67056 Ludwigshafen, Germany.

Printed by PRINTWORKS

**PRECAUTIONS:**

1. KEEP OUT OF REACH OF CHILDREN.
2. DO NOT TRANSPORT OR STORE THIS PRODUCT WITH ANY FOODSTUFFS.
3. Wear full protective CLOTHING; PVC gloves overalls and gumboots, hood and respirator.
4. Handle with care. Avoid splashing the product whilst pouring and so not contaminate skin, or eyes.
5. Do not eat, drink or smoke whilst applying this insecticide.
6. DANGEROUS TO FISH, so not contaminate waterways, dams, rivers, ponds and ditches with this chemical.

**SAFETY PRECAUTIONS TAKEN AFTER SPRAYING:**

1. Remove protective clothing on completion of spraying and take a shower or a bath, wash thoroughly with soap and water.
2. Wash all protective clothing thoroughly.
3. Store in original container and KEEP UNDER LOCK AND KEY.
4. When container is empty, rinse container three times with water and add the rinsings to the spray tank. Puncture and burn or bury in safe place. Do not use for any other purpose.
5. Clean applicator thoroughly after use.

**SYMPTOMS OF POISONING:**

In case of severe skin exposure, typical sensations of the contaminated skin (especially the face) may appear. These may be tingling, burning numbness.

**FIRST AID:**

The above symptoms of poisoning will wear off in a few hours. If other symptoms should occur, remove the patient to the nearest hospital and show the attending doctor this label.

- If swallowed:** Do not induce vomiting.
- If in eyes:** Flush eyes with large amounts of clean water. Get medical attention if irritation persists.
- If on skin:** Remove contaminated clothing and wash skin thoroughly with soap and water.
- If inhaled:** Remove person to fresh air. If symptoms persist, obtain medical attention.

**NOTE TO PHYSICIAN:**

This product is of low toxicity and acute poisoning is unlikely to occur. If swallowed, stomach lavage with warm water followed by induced vomiting. Thereafter, treat symptomatically.

# Safety data sheet

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Version: 5.0

Product: **FENDONA 6 SC**

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(30278853/SDS\_CPA\_EU/EN)

Date of print 12.04.2010

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## 1. Identification of the substance/mixture and of the company/undertaking

### FENDONA 6 SC

Use: crop protection product, insecticide

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Crop Protection

Telephone: +49 621 60-27777

Telefax number: +49 621 60-27125

E-mail address: [Produktinformation-Pflanzenschutz@basf.com](mailto:Produktinformation-Pflanzenschutz@basf.com)Emergency information:

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

**Possible Hazards** (according to Directive 67/548/EWG or 1999/45/EC)

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

May cause paraesthesia.

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## 3. Composition/Information on Ingredients

Chemical nature

insecticide, suspension concentrate (SC)

Hazardous ingredients  
according to Directive 1999/45/EC

alpha-Cypermethrin

Content (W/W): 5.9 %  
CAS Number: 67375-30-8  
INDEX-Number: 607-422-00-X  
Hazard symbol(s): T, N  
R-phrases: 25, 37, 48/22, 50/53

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

#### 4. First-Aid Measures

General advice:

Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

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. Do not induce vomiting unless told to by a poison control center or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

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, dry extinguishing media, carbon dioxide

Specific hazards:

carbon monoxide, hydrogen chloride, hydrogen cyanide, 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.

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.

Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

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## 7. Handling and Storage

### Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas.

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.

Protect from temperatures below: -10 °C

The product can crystallize below the limit temperature.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

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## 8. Exposure Controls/Personal Protection

### Components with workplace control parameters

| 57-55-6: propane-1,2-diol

67375-30-8: alpha-Cypermethrin

### Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

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), butyl rubber (0.7 mm) and other

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Take off immediately all contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use 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  
| Odour: faintly aromatic

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pH value:	7 - 8 (20 °C) (measured with the undiluted substance)	
Boiling point:	approx. 100 °C Information applies to the solvent.	
Flash point:	> 100 °C No flash point - Measurement made up to the boiling point.	(DIN EN 22719; ISO 2719)
Ignition temperature:	425 °C	(Directive 92/69/EEC, A.15)
Explosion hazard:	not explosive	(Directive 92/69/EEC, A.14)
Fire promoting properties:	not fire-propagating	
Vapour pressure:	approx. 23 hPa (20 °C) Information applies to the solvent.	
Density:	approx. 1.025 g/cm <sup>3</sup> (20 °C)	(OECD Guideline 109)
Relative density:	1.030 (20 °C)	(calculated)
Solubility in water:	dispersible	
Surface tension:	40.7 mN/m (20 °C; 1.0 % (V))	(OECD-Guideline 115)
Viscosity, dynamic:	28 mPa.s (20 °C)	(OECD 114)

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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 if stored and handled as prescribed/indicated.

Hazardous decomposition products:  
No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg (Guideline 92/69/EEC, B.1)

LC50 rat (by inhalation): > 2.06 mg/l 4 h (OECD Guideline 403)

Highest concentration available for testing. No mortality was observed. An aerosol was tested.

LD50 rat (dermal): > 2,000 mg/kg (Directive 92/69/EEC, B.3)

### Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)

The product has not been tested. The statement has been derived from products of a similar structure and composition.

Serious eyes damages/irritation rabbit: non-irritant (OECD Guideline 405)

The product has not been tested. The statement has been derived from products of a similar structure and composition.

### Respiratory/Skin sensitization

Experimental/calculated data:

modified Buehler test guinea pig: Non-sensitizing. (OECD Guideline 406)

The product has not been tested. The statement has been derived from products of a similar structure and composition.

### Other relevant toxicity information

Misuse can be harmful to health. May cause paraesthesia.

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## 12. Ecological Information

### Ecotoxicity

| Information on: *Alpha-Cypermethrin*

Toxicity to fish:

LC50 (96 h) 2,8 µg/l, *Oncorhynchus mykiss* (OECD 203; ISO 7346; 84/449/EEC, C.1)

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| Information on: *Alpha-Cypermethrin*

Aquatic invertebrates:

EC50 (48 h) 0,3 µg/l, *Daphnia magna* (OECD Guideline 202, part 1)

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| Information on: *Alpha-Cypermethrin*

Aquatic plants:

EC50 (96 h) > 100 µg/l, *Scenedesmus subspicatus* (OECD Guideline 201)

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### **Persistence and degradability**

**Information on: Alpha-Cypermethrin**  
**Assessment biodegradation and elimination (H<sub>2</sub>O):**  
**Not readily biodegradable (by OECD criteria).**  
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### **Additional information**

Other ecotoxicological advice:  
Do not discharge product into the environment without control.

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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.

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## **14. Transport Information**

### **Land transport**

ADR

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains ALPHA-CYPERMETHRIN 6%)

RID

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains ALPHA-CYPERMETHRIN 6%)

### **Inland waterway transport**

ADNR

Hazard class: 9  
Packing group: III  
ID number: UN 3082



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Hazard label: 9, EHSM  
 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (contains ALPHA-CYPERMETHRIN 6%)

**Sea transport****IMDG**

Hazard class: 9  
 Packing group: III  
 ID number: UN 3082  
 Hazard label: 9, EHSM  
 Marine pollutant: YES  
 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (contains ALPHA-CYPERMETHRIN 6%)

**Air transport****IATA/ICAO**

Hazard class: 9  
 Packing group: III  
 ID number: UN 3082  
 Hazard label: 9, EHSM  
 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (contains ALPHA-CYPERMETHRIN 6%)

**15. Regulatory Information****Regulations of the European union (Labelling) / National legislation/Regulations****EEC Directives:**

Hazard symbol(s)  
 N Dangerous for the environment.

R-phrase(s)  
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)  
 S2 Keep out of the reach of children.  
 S13 Keep away from food, drink and animal feeding stuffs.  
 S20/21 When using do not eat, drink or smoke.  
 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.

Hazard determining component(s) for labelling: ALPHA-CYPERMETHRINE

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The product contains: ALPHA-CYPERMETHRINE  
May cause paraesthesia.

### Other regulations

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

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## 16. Other Information

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

T	Toxic.
N	Dangerous for the environment.
25	Toxic if swallowed.
37	Irritating to respiratory system.
48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.