

Safety data sheet

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BASF Safety data sheet according to 91/155/EEC
Date / Revised: 20.11.2002
Product: **Fendona 15SC**

Version: 1.0

(30131395/SDS_CPA_EU/EN)
Date of print 21.11.2002

1. Substance/preparation and company identification

Fendona 15SC

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.apr-eeew@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): 1,5 %
CAS Number: 67375-30-8
Hazard symbol(s): T, N
R-phrases: 25, 20, 50/53

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.

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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.

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.

5. Fire-fighting measures

Suitable extinguishing media:

water spray, water fog, foam, 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 separately contaminated extinguishing water, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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.

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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.

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.

7. Handling and storage

Handling

No special measures necessary if stored and handled correctly.

Protection against fire and explosion:

No special precautions necessary.

Storage

Segregate from foods and animal feeds. Segregate from strong bases. Segregate from oxidants. 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 above: 40 °C

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.

9. Physical and chemical properties

Form:	liquid
Colour:	white
Density:	approx. 1,013 g/cm ³ (20 °C)
Solubility in water:	dispersible

10. Stability and reactivity

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

strong bases, oxidizing agent

Corrosion to metals: mild steel
tin

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.

11. Toxicological information

LD50/oral/rat: > 5.000 mg/kg

Information on: *alpha-Cypermethrin*
LC50/by inhalation/rat: > 1,59 mg/l

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LD50/dermal/rat: > 2.000 mg/kg

Primary skin irritation/rabbit: non-irritant

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

Sensitization/guinea pig: Non-sensitizing.

Additional information:

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

Information on: alpha-Cypermethrin

Aquatic invertebrates:

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

Information on: alpha-Cypermethrin

Aquatic plants:

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

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

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ADR : Class 9
 Packaging group III
 Substance no. 3082
 Designation of goods ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE, LIQUID, N.O.S.
 (Contains: ALPHA-CYPERMETHRINE)

RID : Class 9
 Packaging group III
 Substance no. 3082
 Designation of goods ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE, LIQUID, N.O.S.
 (Contains: ALPHA-CYPERMETHRINE)

Inland waterway transport

ADNR : Class 9
 Item/Letter 11c)
 Packaging group III
 Substance no. 3082
 Designation of goods ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE, LIQUID, N.O.S.
 (Contains: ALPHA-CYPERMETHRINE)

Sea transport

IMDG/GGVSee : 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

ICAO/IATA : Class 9
 Packaging group III
 UN-number 3082
 Exact technical name ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE, LIQUID, N.O.S. (contains
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15. Regulatory information

Regulations of the European union (Labelling) / National legislation/Regulations

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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.
S23.3	Do not breathe vapour/spray.

not subject to labelling

Other regulations**16. Other information**

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

T	Toxic.
N	Dangerous for the environment.
25	Toxic if swallowed.
20	Harmful by inhalation.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.