

# A784D-3 - FENDONA 60 g/l SC

BASF CORPORATION AGRICULTURAL PRODUCTS  
P.O. BOX 13528  
RESEARCH TRIANGLE PARX, NC 27709

PRELIMINARY MATERIAL SAFETY DATA SHEET (U.K.)

HSDS NO. A784D-3  
CAS NO. 67375-30-8  
DATEi FEB 20, 1998

EMERGENCY TELEPHONE: 132-922-4000

1 (800) 832-HELP (U.S.A.)

**PRODUCT** TRADE NAME: FENDONA 60 g/l SC  
**IDENTIFICATION** COMMON NAME: ALPHACYPERMETHRLN 60 g/l Suspension  
Concentrate  
SYNONYMS: 1:1 mixture of (S)-alpha-cyano-3-phenoxybenzyl (1R, 3R) -3- (2,2-dichlorovinyl) -2, 2-dimethylcyclopropanecarboxylata and (R)-alpha-cyano-3-phanoxybenzyl (1R, 3S) -3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; 900, 049  
PRODUCT MONOGRAPH: CF 07396  
INTL PRODUCT CODE: 2315700  
CHEMICAL FAMILY: Pyrethroid  
MOLECULAR FORMULA; C<22>H<19>Cl<2>N<3>  
MOLECULAR WEIGHT: 416.3  
USAGE: Insecticide

COMPOSITION INFORMATION	COMPONENT	CAS, NO.	PEL/TLV
	Inert ingredients		151,3 g/L
	Alphacypermethrin	67375-30-8	60.0 g/L 0.35 mg/m<3> Skin
	Water	7732-18-5	to 1 litre
	REFERENCE: Inert ingredients		
	Alphacypermethrin		BASF OEG
	Water		

**HAZARD IDENTIFICATION** Very toxic to aquatic organisms.

## FIRST-AID MEASURES

### EMERGENCY AND FIRST AID PROCEDURES:

<IF ON SKIN>: In common with other synthetic pyrethroid, this product may cause abnormal sensations in the skin, especially the face (facial paresthesia) variously experienced as a numbness or tingling sensations or even severe pain which usually does not persist beyond 24 hours. It has been established that topical application of olive oil to the affected area will afford prompt relief. (This remedy is more effective if the affected area is washed with soap and water and then dried, before application of olive oil.)  
<IF IN EYES>: Flush with plenty of water. Seek medical

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attention if irritation occurs.

<IF SWALLOWED>: DO NOT INDUCE VOMITING, Give nothing by mouth. Obtain medical attention.

<IF INHALED>: Not a hazard under normal use conditions.

**ANTIDOTE:** There is no specific antidote. **NOTES**

**T0 PHYSICIAN:**

Treat symptomatically, in case of ingestion, consider gastric lavage within 4 hours. In case of gross over-exposure, subject could be kept under observation as indicated by his/her condition. Convulsions should be treated with anticonvulsants.

**MEDICAL CONDITION AGGRAVATED BY OVEREXPOSURE:**

Over-exposure may cause local irritation of the skin (burning sensation on the face and elsewhere) and irritation of the respiratory tract causing rhinorrhea, chest tightness or dyspnea.

**FIRE FIGHTING MEASURES**

**FLAMMABLE LIQUIDS** Not Applicable (Aqueous) (% BY VOL.):

**FIRE EXTINGUISHING MEDIA:**

Extinguishing media: Dry powder, CO<sub>2</sub> or alcohol-resistant foam.

Special exposure hazards : None found.

Protective equipment: Wear full protective clothing and self-contained breathing apparatus.

Special precautions: Confine the use of water to the cooling of unaffected stock, thus avoiding the risk of accumulation of polluted run-off from the site.

**ACCIDENTAL RELEASE MEASURES**

Wear appropriate clothing and personal protective equipment. (See "Exposure Control",)

Keep away from drains, surface and ground water, and soil.

Dike spill area to prevent spill from spreading. Absorb the spilled material with an inert absorbent such as granular clay or sawdust, shovel or sweep the absorbed spill into covered containers for *proper* disposal. (See "Waste Disposal".) Do not use metal containers.

Rinse the spill area and any tools or implements several times with soapy water. Contain and absorb this rinseate with inert absorbents and place into the same covered container as the spilled material.

Spills to the soil can be shoveled directly into covered

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containers for disposal. If the spill occurred to a body of water, immediately notify the appropriate authorities downstream of the spill so that they can decide what if any further action is needed. Depending on local spill reporting requirements and the amount released to the environment, it may be necessary to notify the regulatory authorities.

**HANDLING AND STORAGE**

Handling precautions: Avoid contact with the skin, eyes, nose and mouth. Wash hands before eating, drinking, smoking or using the toilet. Change out of working clothes *and* take a bath or shower after handling or applying the product. Launder protective clothing before reuse.

Storage conditions: Store in secure, well ventilated building or warehouse, away from foodstuffs and animal feed and out of the reach of children.

**EXPOSURE CONTROL/PERSONAL PROTECTION**

Exposure controls: None established

Application in the field: Avoid exposure to the spray.

Wear overalls or long sleeved shirt and long trousers and boots or shoes.

**PHYSICAL AND CHEMICAL**

**APPEARANCE AND ODOR:**

White flowable liquid free from agglomerates and extraneous

**PROPERTIES**

**BOILING POINT:** Not Available  
**VAPOR PRESSURE:** Negligible (Aqueous suspension concentrate)  
**DENSITY:** 1.02 g/ml 20°C  
**VAPOR DENSITY:** Not Applicable (Aqueous suspension concentrate)  
**PH:** 7.0-8.0  
**SOLUBILITY IN WATER;** Aqueous Suspension Concentrate  
**VISCOSITY:** 280-470 (apparent viscosity at 11.3 a-l shear rate)  
**FREEZING POINT:** Not Available  
**FLASH POINT** <o>C Not Applicable  
**(IP170):**

**STABILITY AND REACTIVITY**

**STABILITY** None known  
**CONDITIONS TO AVOID:**  
**POLYMERIZATION:** Does not occur  
**CONDITIONS TO AVOID:** None known  
**STABILITY:** Chemically and thermally stable. Can be decomposed in strong alkaline solution

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**MATERIALS TO AVOID:** Plain mild steel, plain tinplate or other metal packaging  
**HAZARDOUS:** None found  
**DECOMPOSITION PRODUCTS :**

**TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY DATA:**  
 Acute toxicity:  
 Oral LD<50> (rat) (mg/kg) : > 5000  
 Dermal LD<50> (rat) (mg/kg): >2000  
 Irritation: The following data is from a similar formulation:  
 Rabbit Skin: Non-Irritating  
 Rabbit Eyes: Non-Irritating  
 Sensitization: Non-sensitizer

**ECOLOGICAL INFORMATION**

**Appraisal:** No ecotoxicity data exists for this formulation. Based on standard laboratory tests with technical grade alphacypermethrin and other formulations containing alphacypermethrin, this formulation will likely be very toxic to fish, aquatic invertebrates, and honeybees via oral and topical administration, and harmless to algae up to alphacypermethrin's limit of water solubility.

**DISPOSAL CONSIDERATIONS**

To avoid disposal, all attempts should be made to use this product completely, in accordance with its registered use. If this is not possible, handle with care and dispose in a safe manner. Empty containers or liners may retain some product residues. **DO NOT REUSE.** Rinse the container or liner as needed for disposal. Render it unusable by crushing or puncturing. Dispose of the container and any rinsate in a safe manner. Follow all Applicable community, national or regional regulations regarding waste management methods,

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TRANSPORT INFORMATION

IMO REGULATORY INFORMATION

IMO HAZARDOUS DESCRIPTION - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

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H.O.5. (CONTAINS ALPHA-CTPERMSTHRIN 6%), MARINE POLLUTANT  
IMO LABEL - CLASS 9; MARK; MARINE POLLUTANT

IMO	UN	Package Instructions/ Max Net Qty Per Pkg
CLASS/DIVISION	NUMBER GROUP	Passenger Cargo
9	UN 3082 III	

IATA REGULATORY INFORMATION

IATA HAZARDOUS DESCRIPTION - NOT REGULATED  
IATA LABEL -

IATA	UN	Package Instructions/ Max Net Qty Per Pkg
CLASS/DIVISION	NUMBER GROUP	Passenger Cargo
		ADR/RID REGULATORY INFORMATION

PROPER SHIPPING NAME: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (ALPHA-CYPERMETHRIN 6%,  
AQUEOUS SUSPENSION)

CLASS/ITEM: 9/IIc)

LABEL: 9

PACKING GROUP/EXCEPTIONS: (MARG. 2901a) UP TO 3 L PER INNER PACK, UP  
TO 12 L PER COMBINED PACK.

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REGULATORY INFORMATION	S-02	NOT CLASSIFIED	Keep out of reach of children.
	S-13		Keep away from food, drink and animal feeding stuffs.
	S-20/21		When using do not eat, drink or smoke.
	S-36		Wear suitable protective clothing.
	S-37		Wear suitable gloves.
	FAO Hazard Labelling :Green Band		

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OTHER INFORMATION

USES AND RESTRICTIONS

Broad range Insecticide used against a wide range of insect pests particularly Lepidoptera and Coleoptera. Also controls Blattellidae, Culcidae, Muscidae and Glossina.

TECHNICAL CONTACT POINT

MSDS HISTORY

Edition No. 01

First issue 16-May-91

Revised (first issue)

APPENDIX

The information and statements here in are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein, NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

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SOURCE AND DATE INFORMATION

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DATE: FEB 20, 1998

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