

PRODUCT SAFETY INFORMATION SHEET

BASF

PRODUCT: **FENDONA 6SC**

DATE: 24/02/2010

VERSION: 2

PAGE: 1 of 7

1. SUBSTANCE/PREPARATION AND COMPANY NAME

Product Name: **FENDONA 6SC**

HSE Number: 4455

PCS Number: 91678

Marketing company:

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8820 Waedenswil/AU
Switzerland

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Emergency information: 0049 180 2273 112 (24 hours freephone)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Use: Insecticide for Professional Use

Formulation: A suspension concentrate containing 5.93 % w/w (60 g/litre)
alphacypermethrin

<u>Hazardous ingredients</u>	<u>CAS No.</u>	<u>g/l</u>	<u>Symbol</u>	<u>R Phrases</u>
Alpha-cypermethrin	67375-30-8	60	T (Toxic) N (Dangerous for the environment)	R25, R37, R48/22, R50/53

3. HAZARDS IDENTIFICATION



DANGEROUS FOR THE ENVIRONMENT

VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT (R50/53)

In common with other synthetic pyrethroids, this product may cause paresthesia.

4. **FIRST AID MEASURES**

- General advice: If a person thinks that they have been exposed to this product and feels unwell, call a doctor or take them to a hospital. Remove all contaminated clothing. Keep them at REST away from source of contamination. DO NOT ALLOW smoking or eating. First aider should avoid becoming contaminated and wear protective clothing if necessary.
- Eye contact: Immediately irrigate affected eyes for at least 15 minutes under flowing water, with eyelids open.
- Skin contact: Immediately remove contaminated clothing and footwear and flush skin with plenty of water. Wash affected area thoroughly with soap and water as soon as possible.
- Ingestion: DO NOT INDUCE VOMITING. Immediately rinse mouth then drink plenty of water. Seek medical attention immediately.
- Inhalation: Keep person calm, remove to fresh air, summon medical help.
- Unconscious-ness If danger of loss of consciousness, place person in recovery position. Apply artificial ventilation if necessary, but care must be taken to avoid contamination of the first aider.

GUIDE TO PHYSICIAN - general advice

- Active ingredient group: Alphacypermethrin is a pyrethroid insecticide
- Toxic effects: This material is of moderate general toxicity
- Symptoms of accidental over exposure: Local irritation of the skin (burning sensation on the face and elsewhere) and irritation of the respiratory tract causing rhinorrhea, chest tightness or dyspnea.

Any unusual symptoms which occur after exposure (by any mode of entry) should be recorded and reported to BASF at Cheadle.

5. **FIRE FIGHTING MEASURES**

- \ Suitable extinguishing media: Water spray, foam, dry extinguishing media or carbon dioxide
- \ Possible harmful fumes in a fire: Carbon monoxide, hydrogen chloride, hydrogen cyanide, nitrogen oxides and organochloric compounds can be released. Do not breathe smoke or fumes
- Protective equipment: In case of fire wear self-contained breathing apparatus and protective clothing.
- Further information: Call the Fire Brigade at once to deal with all fires involving pesticides unless the fire is small and immediately controllable. Spray unopened containers with a mist spray to keep cool. If without risk, remove intact containers from exposure to fire. Contain fire-fighting water, bunding if necessary with sand or earth. Do not allow contamination of public drains or surface or ground waters. Dispose of fire debris and contaminated water as advised in the DEFRA publication "Code of practice for using plant protection products".

6. **ACCIDENTAL RELEASE MEASURES**

If spilled: Wear prescribed protective clothing. Clear spillage immediately. Contain spillage and absorb onto earth, sand or suitable absorbent material. Collect contaminated material and place in a marked container for disposal. Thoroughly wash area of spillage. Dispose of contaminated materials as advised in DEFRA publication "Code of practice for using plant protection products".

Wash thoroughly immediately after handling spillages, or at once if contaminated.

Personal protective equipment: See Section 8.

Environmental precautions: Do not allow contamination of public drains or surface or ground waters.

UK:
Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters.

Ireland:
Inform local water plc if spillage enters drains and the Environmental Protection Agency if it enters surface or ground waters.

Keep people and animals away.

7. **HANDLING AND STORAGE**

Handling: No special measures are necessary provided the product is used correctly. When using do not eat, drink or smoke.

Protection against fire and explosion: Product is not combustible.

Storage: Keep dry and frostproof in a suitable pesticide store. Store separately from food, drink and animal feed.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

(i) PRECAUTIONS (from product label)

FOR USE ONLY BY PROFESSIONAL OPERATORS.

Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING

WEAR SUITABLE PROTECTIVE GLOVES

AVOID EXCESSIVE CONTAMINATION OF COVERALLS AND LAUNDER REGULARLY.

DO NOT BREATHE SPRAY. Otherwise wear respiratory protective equipment and eye protection (see HSE Guidance Booklet HS (G) 53: "Respiratory Protective Equipment – a practical guide for users").

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection – UK only

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.

COVER WATER STORAGE TANKS before application.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION contd.**

THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way.
 DO NOT APPLY DIRECTLY TO ANIMALS.
 EXTREMELY DANGEROUS TO FISH AND OTHER AQUATIC LIFE.
 REMOVE OR COVER FISH TANKS AND BOWLS before application.
 DO NOT CONTAMINATE watercourses with chemical or used container.
 DO NOT APPLY DIRECTLY TO LIVESTOCK AND POULTRY.
 HAZARDOUS TO BEES.
 UNPROTECTED PERSONS AND ANIMALS SHOULD BE KEPT AWAY FROM TREATED AREAS UNTIL SURFACES ARE DRY.
 WASH SPLASHES from skin or eyes immediately
 WASH HANDS AND EXPOSED SKIN before meals and after use.
 KEEP ONLY IN THE ORIGINAL CONTAINER.
 KEEP CONTAINER TIGHTLY CLOSED.
 KEEP IN A SAFE PLACE.
 COLLECT EGGS AND REMOVE FEED, EXPOSED WATER AND MILK BEFORE APPLICATION.
 KEEP OUT OF THE REACH OF CHILDREN.
 KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
 WHEN USING DO NOT EAT, DRINK OR SMOKE.
 USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.
 To avoid risks to man and the environment, comply with instructions for use.

(ii) **PERSONAL PROTECTIVE EQUIPMENT**

Hand Protection:

In tests with a range of pesticide products, protective gloves made of nitrile rubber at least 0.5mm thick and 300mm long have been found to be the most suitable. Gloves made of viton, butyl rubber, neoprene and PVC can also offer good protection. Gloves must protect the whole hand and wrist and repeated use of these gloves depends upon spillages being washed off immediately. The gloves should be thoroughly washed after each operation.

General safety & hygiene measure:

The usual precautions for the handling of chemicals must be observed.
 Keep away from foodstuffs, animal feedstuffs and beverages.

The wearing of other personal protective equipment may be required to supplement the items listed above. These are described in the DEFRA publication "Code of practice for using plant protection products". Decontaminate all personal protective equipment after use. When this is not possible dispose of as contaminated wastes.

\ (iii) **OCCUPATIONAL EXPOSURE LIMITS (OESs)**

Hazardous ingredients	Long term exposure limit		Short term exposure limit	
	ppm	mg/m ³	ppm	mg/m ³
Propane- 1,2-diol				
Total vapour and particulates	150	474	-	-
Particulates	-	10	-	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	White
\ Odour:	Faintly aromatic
\ Flash point:	> 100 °C (no flash point - measurement made up to the boiling point)
\ Density:	approx. 1.025 g/cm ³ (20 °C)
Solubility in water:	Aqueous suspension concentrate

10. STABILITY AND REACTIVITY

\ Hazardous reactions:	None provided product is correctly handled
\ Substances to avoid:	Strong bases.

Hazardous decomposition products: None if stored and handled correctly.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Ingestion:	Low toxicity	LD50 oral (rat): >5000 mg/kg
Skin contact:	Not Irritant	LD50 dermal (rat): >2000 mg/kg
\ Inhalation of vapour:	Unlikely to cause a problem	LD50 inhalation (rat) 4hr: > 2.06 mg/l
Eye contact :	Not irritant	
Sensitising potential:	Non sensitiser	

Avoid all unnecessary contact with the product.

12. ECOLOGICAL INFORMATION

No ecotoxicity data exists for this formulation. Based on standard Laboratory tests with technical range alpha-cypermethrin and other formulations containing alpha-cypermethrin, this formulation will likely be very toxic to fish, aquatic invertebrates, and harmless to algae up to alpha-cypermethrin's limit of water solubility.

13. DISPOSAL CONSIDERATIONS

Leaking containers: Damaged or leaking containers must be dealt with as soon as noticed by sealing them in impermeable containers.

Disposal of used containers: **UK:** Follow the directions given in DEFRA publication "Code of practice for using plant protection products".

Ireland:

Used, cleaned, crushed or punctured containers may be disposed of at licensed disposal sites.

Disposal of diluted pesticide:

UK:

Advice for the disposal or re-use of diluted pesticide is given in DEFRA publication "Code of practice for using plant protection products".

Ireland:

Advice for the disposal may be given by local authorities (Environmental Health Departments) who will recommend a waste disposal contractor. Do not re-use containers for any purpose.

14. TRANSPORT INFORMATION

UN Number : 3082
Packing Group III

ROAD/RAIL

ADR/RID Class : 9

ADR/RID Item No : 11c

Environmentally hazardous substance, liquid, N.O.S. (contains alphacypermethrin 6%). Marine pollutant

SEA

IMDG Class : 9

Environmentally hazardous substance, liquid, N.O.S. (contains alphacypermethrin 6%). Marine pollutant.

AIR

ICAO/IATA Class : 9

Environmentally hazardous substance, liquid, N.O.S. (contains alphacypermethrin 6%). Marine pollutant.

Pack sizes : 1 litre 5 litres
No per outer : 10 4

15. REGULATORY INFORMATION**UK:**

This product is approved under the "Control of Pesticides Regulations 1986" and is labelled accordingly.

The Control of Substances Hazardous to Health Regulations (COSHH) may apply to the use of this product at work.

Ireland:

This product is authorised, cleared, notified or granted permission to market in accordance with the European Communities (Authorisation, Placing on the market, Use and Control of Plant Protection Products) Regulations 2003 as amended, and is labelled in accordance with European Communities (Classification, Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations 2001.

16. OTHER INFORMATION**UK:**

For further medical advice Doctors should contact the National Poisons Information Service.

In an emergency further information can be obtained from the National Chemical Emergency Centre 01865 407 333 (24 hours).

Ireland:

For further medical advice Doctors should contact the National Poisons Information Centre at Beaumont Hospital.

In an emergency further information can be obtained from the National Chemical Emergency Centre 01865 407 333 (24 hours).

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.
