

Safety Data Sheet

BASF Safety Data Sheet
Date / Revised: 10.10.2006 (NZ 6808)
Product: FENDONA 15SC

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1. Substance/preparation and company identification

FENDONA[®] 15SC

Company:

BASF New Zealand Limited
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P.O. Box 407, Auckland 1140
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E-mail address: reception@basf.com

Emergency information:

National Poisons Centre: 0800 764 766

BASF Emergency Advice Number: 0800 944 955 (24 Hour Advice in an Emergency Only)

2. Hazard identification

Hazard Classification:

6.1E, 6.5B, 6.9B, 9.1A, 9.4B

Priority Identifier:

Warning. Keep out of reach of children

Secondary Identifiers:

6.1E May be harmful if swallowed, inhaled or absorbed through the skin. May be an irritant to individuals with sensitive skin. Skin contact may cause temporary skin numbness (paraesthesia).

6.5B May cause sensitization by skin contact.

6.9B May cause organ damage from repeated oral exposure at high doses.

9.1A Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

9.4B Toxic to terrestrial invertebrates.

3. Composition/information on ingredients

Chemical nature:

A Residual Insecticide for Control of Ants, Carpet Beetles, Common House Borer, Cockroaches, Fleas, Flies, Mosquitoes, Silverfish, Slaters, Spiders in Domestic, Industrial and Public Health Situations.

Hazardous ingredients:
Alpha-cypermethrin
Content (W/W): 1.5 %
CAS Number: 67375-30-8
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. 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. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor.

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.

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) and place in covered containers that can be labeled and sealed for proper disposal. (See "Disposal".) Clean the spill area and contaminated objects thoroughly with water and detergent. Contain and absorb this rinsate with inert absorbents and place into the same covered container as the spilled material. Spills to the soil can be shovelled directly into covered containers for disposal. Dispose of absorbed material in accordance with local regulations.

For large amounts: Dike spillage. Pump off product.

7. Handling and storage

Handling

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

Approved Handlers:

Approved handlers are not required for this product except during use.

This product must be under the control of an approved handler if it is being applied in a wide dispersive manner or by a commercial contractor. Refer to the product label for handling precautions and directions for use.

Protection against fire and explosion:

No special precautions necessary.

Storage

Segregate from foods and animal feeds. Segregate from strong bases. Segregate from oxidants. Keep away from heat. Protect against moisture. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

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.

Storage Site Requirements:

Stores containing more than 100 litres of this product require emergency response plans and secondary containment systems, and are subject to signage. Note: When stored with substances of the same hazard the aggregate quantity must be considered. For full details refer to the current standard NZS8409 Management of Agrichemicals or the HSNO Regulations.

Record Keeping

Records of use must be kept if applying more than 3 litres of this product within a 24 hour period.

Note: Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter Type P2 or FFP2, (medium efficiency for solid and liquid particles e.g. EN143,149)

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)

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:

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.

9. Physical and chemical properties

Form: liquid, suspension

Colour: white

Density: approx. 1.01 – 1.02 g/cm³ (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

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: Skin sensitizing effects were not observed in animal studies.

Additional information:

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Misuse can be harmful to health.

May cause paraesthesia.

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

Persistence and degradability

Elimination information

Information on: alpha-Cypermethrin

Evaluation: Not readily biodegradable (by OECD criteria).

Additional information

Other ecotoxicological advice:

The ecological data given are those of the active ingredient. Do not discharge product into the environment without control.

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

Commercial transport:

Classified as Dangerous Goods for transport

DG Class	9
Packaging Group	III
UN Number	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains: alpha-cypermethrin 1.5%)
HAZCHEM:	2[Z]
Marine Pollutant:	Yes

Public transport:

Do not carry more than one litre of this product on a passenger service vehicle.

15. Regulatory information

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

EEC Directives:

R-phrase(s)

R52/53 Harmful 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.

S24 Avoid contact with skin.

S35 This material and its container must be disposed of in a safe way.

Hazard determinant component(s) for labelling: ALPHA-CYPERMETHRIN

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)

NZ Regulations

Approved pursuant to the HSNO Act 1996, Code HSR000286.
See www.ermanz.govt.nz for approval controls.

NZFSA Approved Type B (All animal product except dairy).
AgriQuality New Zealand Limited approved 16 January 2002 for use in Dairy Factories Category B.

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.

<p>DISCLAIMER: The information provided in this SDS is based upon sources believed to be accurate. However, BASF New Zealand Limited assumes no responsibility for the accuracy, completeness or suitability of this information. The product recipient/user is responsible for determining the suitability of this information for their particular purposes, and for observing existing laws and regulations.</p>
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