

MATERIAL SAFETY DATA SHEET

BASF

1. **Trade Name:** FENDONA 15SC **Ref No:** 6808

Company: BASF New Zealand Ltd
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PO Box 407, Auckland
Tel: 0800 107 050
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Emergency Information:

BASF New Zealand Ltd 24 Hour Emergency Response Number: **0800 944 955**
Poisons and Hazardous Chemicals National Information Centre (24 hour urgent information):
03 474 7000

2 **Composition / Information on Ingredients:**

<u>Chemical Nature:</u>	<u>CAS Number:</u>	<u>Proportion</u>
Alpha-cypermethrin	67375-30-8	15g/l
Inert ingredients		158g/l
Water		to 1.0 Litre

3 **Possible Hazards:**

Critical Hazards to Man and the Environment: No adverse health effects are expected if the product is handled in accordance with this Material Safety Data Sheet and the label.

4 **First Aid Measures:**

If suspected poisoning occurs, contact a doctor or Poisons Information Centre. In the interim, the following first aid measures are appropriate.

If inhaled:	Not a hazard under normal use conditions.
On skin contact:	Remove contaminated clothing. Wash thoroughly with water and soap if available. Do NOT scrub the skin.
On contact with eyes:	Hold eyelids open, flood eyes with water for at least 15 minutes.
On ingestion:	Do NOT induce vomiting. Give water to dilute. Take patient to hospital without delay.
Advice to doctor:	FENDONA 15SC contains alpha-cypermethrin, a synthetic pyrethroid insecticide. There is no specific antidote. Treat symptomatically. Ingestion poses the major hazard. In case of ingestion, consider gastric lavage within 4 hours. In case of gross over-exposure, subject should be kept under observation as indicated by his/her condition. Convulsions should be treated with anticonvulsants.

5 Fire Fighting Measures:

Suitable Extinguishing Media:	Alcohol resistant foam, carbon dioxide or dry powder extinguishers required.
Fire explosion hazard:	Decomposition may give rise to toxic and noxious fumes.
Fire control tactics:	Evacuate people who may come in contact with smoke, fumes or contaminated surfaces.. Advise Fire Brigade of nature of hazard. Wear full protective equipment, including positive breathing apparatus breathing apparatus and full fire fighting protective clothing. Conduct fire fighting and rescue operations unwind of the fire. Confine the use of water to the cooling of unaffected stock, thus avoiding the risk of accumulation of polluted run-off from the site. Avoid contact of water with material as toxic run-off will foam. In this event consideration should be given to allowing the fire to burn out. Contain run-off. Use as little water as possible. Use spray or fog-solid stream of water may cause spreading. Dyke area of fire to prevent pesticide run-off. If water enters a drainage system, advise authorities downstream Do not decontaminate personnel or equipment, or handle broken packages or containers without protective equipment (see "Personal Protection" section 8). Decontamination emergency personnel with soap and water before leaving the fire area.

6 Spillage Measures:

Personal Precautions:	Wear protective clothing.
Clean up Methods:	Decant leaking container into a clean drum remote from the storage area and label. Do not flush to drains or sewers. Do not contaminate streams, rivers or water courses. Absorb spill in lime or wet area with 5% soda ash (sodium carbonate) solution and absorb on sand, earth or non combustible absorbent material. Place material in open drum, clean up with small amount of detergent and water, absorb and place in drum. Scatter lime over the area and leave for 1 hour. Decompose contaminated absorbent and surplus material with 5% soda ash (sodium carbonate) solution. Leave in a safe place for one month. Seal drum and bury in an area approved by the local waste disposal authority. Soak protective equipment in 5% soda ash solution for at least 24 hours. Rinse and dry. Wash overalls.

7 Handling and Storage:

<u>Handling:</u>	Avoid contact with eyes, skin and clothing. Avoid breathing vapour, mist or spray. Do not smoke or eat while using. Wear protective clothing while
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spraying. Wear overalls or long sleeved shirt and long trousers and boots or shoes. Avoid contact with the skin, eyes, nose and mouth. Facial skin contact may cause temporary facial numbness. After use and before eating, drinking, smoking or using the toilet wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing before reuse.

Storage:

Store in original, tightly closed container, in a dry, well ventilated (as cool as possible), separate building or room away from children, animals and unauthorised persons. Store away from food, foodstuffs, drink or clothing. Store separately from herbicides. Do not store for long periods in direct sunlight. Isolate from sources of heat, naked flames or sparks. Ensure containers are correctly labelled and securely sealed. Classified as a dangerous substance for transport purposes.

8 Exposure Controls and Personal Protection:

Additional information on the layout of technical plant:

(See 7)

Personal protective equipment:

Hand Protection:

Elbow length nitrile or neoprene gloves

Eye Protection:

Goggles or face shield

Body Protection:

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

9 Physical and Chemical Properties:

Form:

Liquid

Colour:

White

Odour:

Change in physical state:

Density:

1.023 kg/l @20°C

Flash Point:

Not flammable

Solubility in water:

Forms a suspension

10 Stability and Reactivity:

Conditions to avoid:

None found.

Stability:

Chemically and thermally stable. Can be decomposed in strong alkaline solution.

Materials to avoid:

Plain mild steel, tinsplate or other metal packaging.

Hazardous Decomposition Products:

None found.

11 Toxicological Information:

Toxicology:

Oral LD50 rat: >5,000 mg/kg
 Dermal LD50 rat: >2,000 mg/kg

Health effects:

Swallowed: Slightly toxic

Eye: May cause irritation.

Skin: Not an irritant but may cause transient sensations (tingling, numbness) which disappear after a few hours.

Inhaled: May cause irritation.

Chronic effect: Animal studies indicate repeated or prolonged exposure to cypermethrin can act on the nervous system and produce excitatory effects predominantly on the sensory nerve endings. Chronic feeding studies on animals do not indicate any cumulative toxicity and show that the compound is neither a carcinogen or a teratogen.

12 Ecological Information:

Toxic to fish, bees and aquatic invertebrates. When used as recommended under field conditions, the hazard to fish, bees and aquatic invertebrates is low. Cover fish bowls or tanks before use. Avoid contamination of any water supply with chemical or empty container.

13 Disposal Considerations:

Container: Triple rinse empty containers and add the rinsate to the spray tank. Crush empty container and bury in an approved landfill or bury at least 50cm of soil in a non-crop, non-pasture area away from water sources or homes.

14 Transport Information:

Class: 9	Item number/letter: 3082
Warning panel:	Hazchem: 3Z PG: III
UN-No. 3082	Subsidiary Risk: 4 (Harmful Substance)
Marine pollutant:	Yes
Proper Shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA-CYPERMETHRIN 1.5%)

15 Regulatory Information:

Label Requirements:
 Harmful substance

16 Other Information:

NA = Not applicable.
NDA = No data available.
sen = Sensitiser
skin = Skin absorption
A1 = Confirmed Human Carcinogens
A2 = Suspected Human Carcinogens
bio = Exposure can also be estimated by biological monitoring

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our products must take responsibility for observing existing laws and regulations.