

Safety Data Sheet

BASF Safety Data Sheet
Date / Revised: 01.05.00 Version: 1.0 (NZ 7143)
Product: PRESTO

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1. Substance/preparation and company identification

PRESTO®

Company:

BASF New Zealand Limited
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Emergency information:

National Poisons Centre **24 Hour Urgent Information: 0800 764 766**
National Poisons Centre Non Urgent Information: **03 479 7248**
BASF New Zealand Ltd 24 Hour Emergency Advice Number: **0800 944 955**

2. Composition/information on ingredients

Chemical nature:

Plant protection product for insect control in mushroom houses.

Hazardous Ingredients :

Fipronil
CAS Number: 120038-37-3
Proportion: 19.1%

3. Hazard identification

Harmful if swallowed, inhaled or absorbed through the skin.

Highly toxic to bees.

Toxic to some bird species.

Highly toxic to some aquatic species.

4. First-aid measures

General Advice:

If poisoning occurs contact a doctor or the National Poisons Centre.

DO NOT ATTEMPT TO GIVE ANYTHING TO A SEMICONSCIOUS OR UNCONSCIOUS PERSON.

If Inhaled:

Move patient into fresh air away from contaminated area. If breathing stops apply artificial respiration. Seek medical advice. Show this SDS to a medical practitioner.

On Skin Contact:

Remove contaminated clothing. Wash effected areas with plenty of water.

On Eye Contact:

Immediately irrigate open eye with copious quantities of water for at least 20 minutes. Seek medical advice. Show this SDS to a medical practitioner.

If Swallowed:

If patient is conscious rinse out mouth with water. If breathing stops apply artificial respiration. Keep patient warm and at rest. Seek medical advice. Show this SDS to a medical practitioner.

First Aid Facilities:

Ensure eyewash and washing facilities are available.

Advice to Doctor:

Treat symptomatically. Phenobarbital (and benzodiazepines to a lesser extent) has been shown experimentally to have an effective symptomatic treatment. Fipronil is slowly absorbed through the gut and can be decreased by the use of gastric lavage, saline purgative and activated charcoal (possible entero-hepatic recirculation).

5. Fire-fighting measures

Suitable Extinguishing Media:

Carbon dioxide, Foam, Dry powders, Water spray

Specific Hazards:

Non-flammable.

May give rise to dangerous fumes (carbon and nitrogen oxides, hydrochloric gas) if strongly heated.

Avoid skin contact and inhalation of product.

Stable under normal conditions of use and transport.

Special Protective Equipment:

Full protective clothing and self-contained breathing apparatus.

Further Information:

Contain run off.

6. Accidental release measures

Personal Protection:

Avoid contact with eyes, skin and clothing or inhalation of product.

Personal protective clothing:

Full length overalls, waterproof protective gloves, boots, goggles or face shield and a dust mask for prolonged or repeated handling should be worn when dealing with spills and disposals to minimize the potential for increased personal exposure.

Spill Containment:

Deal with spillage immediately.

Keep people away and upwind of the spillage.

Contain the spill by damming, recover spilt product by absorbing with dry sand or earth then transfer the recovered spilt material to a properly labeled drum. Seal the drum and arrange for use or disposal.

Wash down the affected area with water. Absorb washing water with inert material and place in a properly labeled sealable container for subsequent disposal.

Warn the local water authority if contamination of drains, streams, watercourses etc is unavoidable.

7. Handling and storage

Handling:

No special measures necessary provided product is handled, stored and used correctly.

Storage:

Store in tightly sealed original high-density polyethylene container. Store in a cool, dry, well-ventilated area away from direct sunlight. Store under lock & key away from children, animals, food, feedstuffs, seed and fertilisers.

8. Exposure controls and personal protection

Exposure Standards:

No occupational exposure standards have been established for the product or its ingredients.

Engineering Controls:

Use in a well-ventilated area only.

Personal Protective Equipment:

Protective clothing: full-length overalls, waterproof protective gloves, boots, goggles or face shield and a dust mask for prolonged or repeated handling.

Eye wash facilities should be available.

Wash hands, arms and face thoroughly with soap and water after use and before eating, drinking or smoking.

Wash protective clothing and equipment at the end of each day.

Flammability:

Non-flammable. Gives rise to dangerous fumes (carbon and nitrogen oxides, hydrochloric gas) if strongly heated.

General Safety and Hygiene Measures:

To be used strictly in accordance with label instructions.

9. Physical and chemical properties

Physical description/properties:

Form:	Liquid
Colour:	Off-white
Odour:	Slightly sweet
Boiling Point/Melting Point:	Decomposes above 200°C
Vapour Pressure:	3.7×10^{-4} mPa at 25°C
Specific Gravity:	1.05
Flash Point:	Non flammable
Flammability Limits:	Not determined
Solubility:	In Water: 1.9 mg/L (@ pH5, 20°C) 2.4 mg/L (@ pH5, 20°C) In Organic Solvents: Acetone 545.9g/L, Dichloromethane 22.3g/L, Toluene 3 g/L
Stability and Reactivity:	Stable under normal conditions of use and transport
pH:	1.0 – 3.0 (of the formulated product)
Relative Density:	1.477 – 1.626 @ 20°C
Explosion Hazard:	Non explosive
Corrosive Hazard:	Non corrosive

10. Stability and reactivity

Reactivity:

Stable under normal conditions of use and transport.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

No substances known that should be avoided.

Hazardous reactions:

No hazardous reactions known.

Hazardous decomposition products:

No hazardous decomposition products known.

11. Toxicological information

Swallowed:

LD50/Oral/Rat >827 mg/kg

LD50/Oral/Mouse 324 mg/kg

Harmful, may be fatal if swallowed.

Skin Contact:

Acute LD50/Dermal/Rat >4192 mg/kg

Acute LD50/Dermal/Rabbit >2493 mg/kg

Mild irritant.

Studies indicate product has no skin sensitizing effect on guinea pigs.

Inhalation:

Acute LC50/Inhalation/Rat (4h) 1.07 mg/L

Eye Contact:

LD50/Ocular/Rabbit >2493 mg/kg

Irritant. Risk of serious damage to eyes.

Chronic:

Repeated exposure at dose levels that are not acutely toxic may result in symptoms of toxicity.

12. Ecological information

Do not apply under meteorological conditions OR using spraying equipment that will result in spray drift onto nearby plants, adjacent crops, croplands or pastures.

There is no ecotoxicological data available for the formulated product.

Toxic to bees. Do not spray plants in flower while bees are foraging.

Non-toxic to earthworms and soil microflora.

LD50 Oral (technical): Mallard ducks >2150 mg/kg

LD50 Oral (technical): Pheasants >31 mg/kg

Toxic to fish and aquatic life.

LC50 (technical)(96 hours) Japanese carp: 0.34 mg/L

LC50 (technical)(48 hours) Daphnia: 0.19 mg/L

13. Disposal considerations

Disposal of contaminated product, waste or packaging should be by burial in an approved landfill away from streams or watercourses; Incineration at an authorised installation; OR as dictated by relevant Local Body regulations. Contaminated packaging must not be used to store other products.

14. Transport information

Proper Shipping Name: PESTICIDE, LIQUID, TOXIC, N.O.S. (contains Fipronil)
U.N. Number: 2902
DG Class: 6.1
Subsidiary Risk: 9
Packaging Group: III
HAZCHEM Code: 2[Z]
Marine Pollutant: Yes

15. Regulatory information

16. Other information

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.