

SAFETY DATA SHEET



Prevathon™ 5 SC Insecticide

Version 1.0

Revision Date 08.01.2018

Ref. 130000033971

This SDS adheres to the standards and regulatory requirements of India and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Prevathon™ 5 SC Insecticide

Use of the
Substance/Mixture : Insecticide

Information on
manufacturer/Supplier :
Importer/Local Agent : FMC India Private Limited
Contact : TCG Financial Centre, 2nd Floor C-53,
Bandra Kurla Complex,
Bandra (E), Mumbai, Bandra Suburban,
Maharashtra- 400 098
India

Medical emergency : 022-6704 5504 /5404

For leak, fire, spill
or accidents : 000-800-100-7141 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical Name	CAS-No.	Concentration
Chlorantraniliprole	500008-45-7	5 %
Other Ingredients		95 %

3. HAZARDS IDENTIFICATION

Risks

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety data

Keep out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

When using do not eat, drink or smoke.

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

Use appropriate container to avoid environmental contamination.

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

4. FIRST AID MEASURES

General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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Inhalation	: No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
Skin contact	: The material is not likely to be hazardous by skin contact, but cleaning the skin after use is advisable.
Eye contact	: No specific intervention is indicated as the compound is not likely to be hazardous. Immediately flush eye(s) with plenty of water. Consult a physician if necessary.
Ingestion	: No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
Extinguishing media which shall not be used for safety reasons	: High volume water jet, (contamination risk)
Specific hazards during firefighting	: The product is not flammable.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.
Further information	: Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Control Runoff. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.
Environmental precautions	: Prevent material from entering sewers, waterways, or low areas.
Methods for cleaning up	: Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.
Additional advice	: Refer to the product label for instructions. Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

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7. HANDLING AND STORAGE**Handling**

Advice on safe handling : Provide adequate ventilation.

Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

Advice on protection against fire and explosion : The product is not flammable.

Storage

Requirements for storage areas and containers : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place. Observe label precautions. Store product in original container only in a location inaccessible to children and pets.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

No information available.

Engineering measures : Use only with adequate ventilation.

Biological occupational exposure limits : No information available.

Personal protective equipment

Respiratory protection : Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.

Hand protection : Material: Protective gloves

Eye protection : No information available.

Skin protection : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.

Hygiene measures : Do not breathe vapours or spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Protective measures : End users of this product should follow label instructions for personal protection when using this product.
All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: viscous liquid
Colour	: white
Odour	: mild , alcohol-like
pH	: 6.2
Flash point	: No flash up to boiling point.
Density	: 1.036 g/cm ³ (20 °C)
Viscosity, dynamic	: 570 mPa.s

10. STABILITY AND REACTIVITY

Conditions to avoid	: None reasonably foreseeable.
Materials to avoid	: None reasonably foreseeable.
Hazardous decomposition products	: Carbon dioxide (CO ₂), Nitrogen oxides (NO _x)
Hazardous reactions	: Polymerization will not occur. Stable at normal temperatures and storage conditions.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Oral

Prevathon™ 5 SC Insecticide : LD50/rat: > 5,000 mg/kg

Inhalation

Prevathon™ 5 SC Insecticide : LC50/4 h/rat(dust/mist): > 2.1 mg/l
No adverse effect has been observed in acute toxicity tests.

Dermal

Prevathon™ 5 SC Insecticide : LD50/rat: > 5,000 mg/kg

Skin corrosion/irritationPrevathon™ 5 SC Insecticide : Species: rabbit
Result: No skin irritation**Serious eye damage/eye irritation**Prevathon™ 5 SC Insecticide : Species: rabbit
Result: No eye irritation**Respiratory or skin sensitisation**Prevathon™ 5 SC Insecticide : Buehler Test
Species: guinea pig
Classification: Did not cause sensitisation on laboratory animals.

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Germ cell mutagenicity

Chlorantraniliprole : Animal testing did not show any mutagenic effects.

Carcinogenicity

 Chlorantraniliprole : Animal testing did not show any carcinogenic effects.
 Not classifiable as a human carcinogen.

Reproductive toxicity

 Chlorantraniliprole : Reproductive toxicity: No toxicity to reproduction
 Teratogenicity: Animal testing showed no developmental toxicity.

Specific Target Organ Toxicity

Specific target organ toxicity - repeated exposure

Prevathon™ 5 SC Insecticide : Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.

Aspiration hazard

Prevathon™ 5 SC Insecticide : not applicable

Other

 Chlorantraniliprole : Repeated dose toxicity:
 Oral/multiple species
 No toxicologically significant effects were found.
 Dermal/rat
 No toxicologically significant effects were found.

12. ECOLOGICAL INFORMATION
Ecotoxicity effects

Acute and prolonged toxicity to fish

 Chlorantraniliprole : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 13.8 mg/l
 LC50/96 h/Ictalurus catus (catfish): > 13.4 mg/l
 LC50/96 h/Lepomis macrochirus (Bluegill sunfish): > 15.1 mg/l

Toxicity to aquatic plants

Chlorantraniliprole : ErC50/72 h/Selenastrum capricornutum (green algae): > 2 mg/l

Acute toxicity to aquatic invertebrates

Chlorantraniliprole : EC50/48 h/Daphnia magna (Water flea): 0.0116 mg/l

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

Prevathon™ 5 SC Insecticide : See product label for additional application instructions relating to environmental precautions.

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13. DISPOSAL CONSIDERATIONS

- Product : In accordance with local and national regulations. Do not contaminate ponds, waterways or ditches with chemical or used container.
- Contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION**IMDG**

- UN number : 3082
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorantraniliprole)
- Class : 9
- Packing group : III
- Marine pollutant : yes

IATA

- UN number : 3082
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorantraniliprole)
- Class : 9
- Packing group : III
- Matters needing attention for transportation : not applicable
- Hazchem Code : .3Z

15. REGULATORY INFORMATION**National regulatory information**

Product subject to regulatory requirements under the Insecticides Act, 1968 and Insecticides Rules, 1971

Regulations in other countries

- Symbol(s) : N Dangerous for the environment
- R-phrases(s) : R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S-phrases(s) : S 2 Keep out of the reach of children.
S13 Keep away from food, drink and animal feedingstuffs.
S20/21 When using do not eat, drink or smoke.
S35 This material and its container must be disposed of in a safe way.
S57 Use appropriate container to avoid environmental contamination.
SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and

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16. OTHER INFORMATION**Sources of key data used to compile the Safety Data Sheet:**

1. The Factories Act, 1948, The Second Schedule: Permissible levels of certain chemical substances in work environment, as amended through April, 2001
2. Manufacture, Storage and Import of Hazardous Chemical Rules 1989, as amended through January 2000
3. Insecticide Act, 1968 (46 of 1968, Dt. 2-9-1968)
4. Insecticide Rule, 1971 (GSR 1650, Dt. 9-10-1971)

Further information:

Take notice of the directions of use on the label.

Significant change from previous version is denoted with a double bar.

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