

SAFETY DATA SHEET



Ferterra® 0.4

Version 1.0

Revision Date 08.01.2018

Document no. 130000050809

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 name : Ferterra® 0.4

Other names : B12767510
DPX-E2Y45 - 0.4%GR

Recommended use of the chemical and restriction on use

Recommended use : Insecticide

Restrictions on use : Do not use product for anything outside of the above specified uses.

Manufacturer, importer, supplier, representative office

Company : FMC India Private Limited
Street address : TCG Financial Centre, 2nd Floor C-53,
Bandra Kurla Complex,
Bandra (E), Mumbai, Bandra Suburban,
Maharashtra- 400 098,
India

Emergency telephone : 022-6704 5504 /5404

2. HAZARDS IDENTIFICATION

Product hazard classification

Acute aquatic toxicity : Category 1

Chronic aquatic toxicity : Category 1

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

Label content

Pictogram :



Signal word : Warning

Hazardous warnings : Very toxic to aquatic life with long lasting effects.

Precautionary statements : Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical nature : Mixture

Components

Chemical name	CAS-No.	Concentration
Chlorantraniliprole	500008-45-7	0.4 %
Silicon dioxide, amorphous	7631-86-9	85 - 90%
Other Ingredients		9.6 - 14.6%

4. FIRST AID MEASURES

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

- Inhalation** : Move to fresh air. Artificial respiration and/or oxygen may be necessary. Call a poison control center or doctor for treatment advice.
- Skin contact** : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- Eye contact** : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Ingestion** : Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center.
- Most important symptoms/effects, acute and delayed** : No information available.
- Protection of first-aiders** : No information available.
- Notes to physician** : No information available.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
- Specific hazards** : No information available.
- Special protective equipment for firefighters** : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
- Specific extinguishing methods** : No information available.
- Further information** : (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.

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Avoid breathing dust.
- Environmental precautions** : Prevent further leakage or spillage. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.
- Methods and materials for containment and cleaning up** : Clean up promptly by scoop or vacuum. Shovel into suitable container for disposal.
- Additional advice** : Never return spills in original containers for re-use.

7. HANDLING AND STORAGE

Handling

- Technical measures/Precautions : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.
- Precautions for safe handling : No information available.

Storage

- Suitable storage conditions : Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Applicable occupational exposure limits are listed below.

Chemical name	Occupational Exposure Limits	Regulation
Silicon dioxide, amorphous		
TWA	10 mg/m ³ (Total dust.)	IN OEL (2001)

- 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

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- Eye protection : Wear protective eyewear to prevent contact with this substance.
- Skin protection : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.
- Hygiene measures** : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, form, colour, etc.)

- Physical state : solid
Form : granules
Colour : blue

Odour : none

Odour Threshold : No information available.

pH : No information available.

Melting point/freezing point

No information available.

Initial boiling point and boiling range

No information available.

Flash point : No information available.

Evaporation rate : No information available.

Flammability (solid, gas) : No information available.

Upper/lower flammability or explosive limits

- Upper explosion limit : No information available.
Lower explosion limit : No information available.

Vapour pressure : No information available.

Vapour density : No information available.

Density

Density : 1.3 g/cm³

Solubility(ies)

Water solubility : No information available.

Partition coefficient: n-octanol/water : No information available.

Auto-ignition temperature

No information available.

Decomposition : No information available.

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temperature

Viscosity

Viscosity, kinematic : No information available.

Molecular weight : No information available.

10. STABILITY AND REACTIVITY

Reactivity : No information available.

Chemical stability : Stable at normal temperatures and storage conditions.

Possibility of hazardous reactions : Polymerization will not occur.

Conditions to avoid : No information available.

Materials to avoid : None reasonably foreseeable.

Hazardous decomposition products : No information available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral

Chlorantraniliprole : LD50/Rat: > 5,000 mg/kg

Inhalation

Chlorantraniliprole : LC50/4 h/Rat(dust/mist): > 5.1 mg/l

Dermal

Chlorantraniliprole : LD50/Rat: > 5,000 mg/kg

Skin corrosion/irritation

Chlorantraniliprole : Species: Rabbit
Result: No skin irritation
Classification: Not classified as irritant

Serious eye damage/eye irritation

Chlorantraniliprole : Species: Rabbit
Result: No eye irritation
Classification: Not classified as irritant
Minimal effects that do not meet the threshold for classification.

Respiratory or skin sensitisation

Chlorantraniliprole : Species: multiple species
Result: Did not cause sensitisation on laboratory animals.
Classification: Not a skin sensitizer.

Germ cell mutagenicity

Chlorantraniliprole : Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

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

Reproductive toxicity

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

Specific Target Organ Toxicity

No information available.

Aspiration hazard

No information available.

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

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods : In accordance with local and national regulations. The product should not be allowed to enter drains, water courses or the soil.

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Contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

IMDG

UN number : Not applicable
UN proper shipping name : Not applicable
Transport hazard class : Not applicable
Packing group : Not applicable
Hazchem Code : Not applicable
Marine pollutant : Not applicable

IATA

UN number : Not applicable
UN proper shipping name : Not applicable
Transport hazard class : Not applicable
Packing group : Not applicable

Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises : Not applicable

15. REGULATORY INFORMATION

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

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

References

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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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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.