

SAFETY DATA SHEET



Picoxystrobin + Tricyclazole

Version 2.1

Revision Date 06.05.2016

Document no. 130000099870

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 : Picoxystrobin + Tricyclazole

Recommended use of the chemical and restriction on use

Recommended use : Fungicide

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

Manufacturer, importer, supplier

Company : E. I. DuPont India Pvt. Ltd.

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2. HAZARDS IDENTIFICATION

Product hazard classification

Acute toxicity (Oral) : Category 4

Specific target organ toxicity - repeated exposure : Category 2 (Liver)

Acute aquatic toxicity : Category 1

Chronic aquatic toxicity : Category 2

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

Label content

Pictogram :



Signal word : Warning

Hazardous warnings : Harmful if swallowed.
May cause damage to organs through prolonged or repeated exposure. (Liver)
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary statements : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse

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mouth.
Get medical advice/ attention if you feel unwell.
Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature** : Mixture**Components**

Chemical name	CAS-No.	Concentration
Tricyclazole	41814-78-2	20.33 %
Picoxystrobin	117428-22-5	6.78 %
Other Ingredients		72.89 %

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** : Remove person to fresh air. If signs/symptoms continue, get medical attention. 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. Do not give anything by mouth to an unconscious person.
- 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)
- Unsuitable extinguishing media** : High volume water jet, (contamination risk)



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- Specific hazards** : No information available.
- Special protective equipment for firefighters** : Wear full protective clothing and self-contained breathing apparatus.
- Specific extinguishing methods** : No information available.
- 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. (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, protective equipment and emergency procedures** : No information available.
- Environmental precautions** : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and cleaning up** : Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.
- Additional advice** : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

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 : Keep away from heat and sources of ignition.

Storage

- Suitable storage conditions : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No occupational exposure limit values are applicable.

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- 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. Provide adequate ventilation.
- Hand protection : Material: Protective gloves
- 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. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Protective measures** : 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. End users of this product should follow label instructions for personal protection when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance (Physical state, form, colour, etc.)**

- Physical state : liquid
Form : liquid
Colour : No information available.

Odour : No information available.

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.

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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

No information available.

Solubility(ies)

Water solubility : No information available.

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

Auto-ignition temperature

No information available.

Decomposition temperature : No information available.

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 : No information available.

Conditions to avoid : None reasonably foreseeable.

Materials to avoid : No information available.

Hazardous decomposition products : No information available.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Oral

Tricyclazole : LD50/Rat: 314 mg/kg
Picoxystrobin : LD50/Rat: 5,000 mg/kg

Single Dose/Rat

Effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Neurobehavioral parameter effects

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	Motor Activity effects
	Effects reversed the day following treatment
Inhalation	
Tricyclazole	: LC50/Rat: 0.146 mg/l
Picoxystrobin	: LC50/4 h/Rat male(dust/mist): 2.12 mg/l
	Material particle size of 5.9 - 6.8 µm MMAD
	LC50/4 h/Rat female(dust/mist): 3.19 mg/l
	Material particle size of 5.9 - 6.8 µm MMAD
Dermal	
Tricyclazole	: LD50/Rabbit: > 2,000 mg/kg
Picoxystrobin	: LD50/Rat: > 5,000 mg/kg
Skin corrosion/irritation	
Picoxystrobin	: Species: Rabbit
	Result: No skin irritation
	Classification: No skin irritation
Serious eye damage/eye irritation	
Tricyclazole	: Result: Severe eye irritation
Picoxystrobin	: Species: Rabbit
	Result: Irritation to eyes, reversing within 7 days
	Classification: Mild eye irritation
Respiratory or skin sensitisation	
Tricyclazole	: Classification: Not a skin sensitizer.
Picoxystrobin	: Maximisation Test
	Species: Guinea pig
	Result: Does not cause skin sensitisation.
	Classification: Does not cause skin sensitisation.
Germ cell mutagenicity	
Picoxystrobin	: Weight of evidence does not support classification as a germ cell mutagen.
Carcinogenicity	
Picoxystrobin	: Not classifiable as a human carcinogen.
	Overall weight of evidence indicates that the substance is not carcinogenic.
Reproductive toxicity	
Tricyclazole	: Reproductive toxicity: No adverse effects expected. Teratogenicity: No adverse effects expected.
Picoxystrobin	: Reproductive toxicity: No toxicity to reproduction
	Teratogenicity: Animal testing showed no developmental toxicity.
Specific Target Organ Toxicity	
Specific target organ toxicity - single exposure	
Picoxystrobin	: The substance or mixture is not classified as specific target organ toxicant, single exposure.
Specific target organ toxicity - repeated exposure	
Picoxystrobin	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

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Aspiration hazard

Picoxystrobin : No aspiration toxicity classification

Other

Picoxystrobin : Repeated dose toxicity:
 The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
 Oral - feed/Mouse 28 d
 No toxicologically significant effects were found.
 Dermal/Rat 28 d
 No toxicologically significant effects were found.
 Oral/Mouse 90 d
 Reduced body weight gain, Increased liver weight
 Oral - feed/Rat 90 d
 Reduced body weight gain, Increased liver weight, No effect to neurotoxicity.
 Oral/Dog 1 yr
 Reduced body weight gain
 Oral/Mouse 18 Months
 Reduced body weight gain, Increased liver weight, Gastrointestinal effects

12. ECOLOGICAL INFORMATION
Ecotoxicity effects

Acute and prolonged toxicity to fish

Tricyclazole : LC50/96 h/Lepomis macrochirus (Bluegill sunfish): 16.0 mg/l
 LC50/96 h/Oncorhynchus mykiss (rainbow trout): 7.3 mg/l
 Picoxystrobin : LC50/96 h/Fathead minnow: 0.066 mg/l

Toxicity to aquatic plants

Picoxystrobin : ErC50/96 h/Skeletonema costatum (Diatom): 0.0063 mg/l

Acute toxicity to aquatic invertebrates

Picoxystrobin : EC50/48 h/Daphnia magna (Water flea): 0.024 mg/l

Chronic toxicity to aquatic Invertebrates

Picoxystrobin : NOEC/21 d/Daphnia magna (Water flea): 0.008 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

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

Contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION

IMDG

UN number : 3082
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Picoxystrobin)
Transport hazard class : 9
Packing group : III
Hazchem Code : .3Z
Marine pollutant : yes (Picoxystrobin)

IATA

UN number : 3082
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Picoxystrobin)
Transport hazard class : 9
Packing group : III
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.

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

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