

SAFETY DATA SHEET



Picoxystrobin/Propiconazole SC

Version 2.2

Revision Date 13.04.2016

Document no. 130000108653

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/Propiconazole SC

Other names : DPX-SPD75
B13158701

Recommended use of the chemical and restriction on use

Recommended use : Fungicide

Manufacturer, importer, supplier

Company : E. I. DuPont India Pvt. Ltd.
Street address : 7th Floor, Tower C, DLF Cyber Greens, Sector 25A, DLF City Phase III, Gurgaon -
122002, Haryana
India
Telephone : +91-124-2540900
Telefax : +91-124-2540889 / 90 / 91 / 92

Emergency telephone number : +91-124-4092888 / +91-124-2353777

2. HAZARDS IDENTIFICATION

Product hazard classification

Acute toxicity (Oral) : Category 5
Acute toxicity (Inhalation) : Category 3
Acute toxicity (Dermal) : Category 5
Reproductive toxicity : Category 2
Specific target organ toxicity - repeated exposure : Category 2 (Liver)
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 : Danger

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- Hazardous warnings** : May be harmful if swallowed or in contact with skin.
Toxic if inhaled.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure. (Liver)
Very toxic to aquatic life with long lasting effects.
- Precautionary statements** : Do not handle until all safety precautions have been read and understood.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.
Call a POISON CENTER/doctor if you feel unwell.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Components

Chemical name	CAS-No.	Concentration
Picoxystrobin	117428-22-5	7 %
Propiconazole	60207-90-1	12 %
Other Ingredients		81 %

4. FIRST AID MEASURES

Never give anything by mouth to an unconscious person.
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. Do not give anything by mouth to an unconscious person.
- Most important symptoms/effects, acute and delayed** : No information available.



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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)

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 : Evacuate personnel to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear suitable protective equipment.

Environmental precautions : Prevent material from entering sewers, waterways, or low areas.

Methods and materials for containment and cleaning up : Clean-up methods - small spillage Prevent further leakage or spillage. Soak up with inert absorbent material. Shovel into suitable container for disposal.
Clean-up methods - large spillage Prevent further leakage or spillage. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Large spills should be collected mechanically (remove by pumping) for disposal. Collect leaking liquid in sealable (metal/plastic) containers. Collect and contain contaminated absorbent and dike material for disposal.

Additional advice : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE



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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. Take measures to prevent the build up of electrostatic charge.

Storage

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No information available.

Engineering measures : Ensure adequate ventilation, especially in confined areas. Use sufficient ventilation to keep employee exposure below recommended limits.

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 : 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 : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Use this product in accordance with its label.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

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Physical state	: liquid
Form	: liquid, suspension
Colour	: off-white
Odour	: acidic characteristic
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	: > 100 °C
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	: 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 hazards to be specially mentioned. Hazardous polymerisation does not occur.
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Chemical stability	: The product is chemically stable under recommended conditions of storage, use and temperature. Stable at normal temperatures and storage conditions.
Possibility of hazardous reactions	: Polymerization will not occur.
Conditions to avoid	: None reasonably foreseeable.
Materials to avoid	: None reasonably foreseeable.
Hazardous decomposition products	: No information available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral

Picoxystrobin/Propiconazole SC : LD50/Rat: > 2,000 mg/kg

Inhalation

Picoxystrobin/Propiconazole SC : LC50/4 h/Rat(dust/mist): > 0.66 mg/l

Dermal

Picoxystrobin/Propiconazole SC : LD50/Rat: > 2,000 mg/kg

Skin corrosion/irritation

Picoxystrobin/Propiconazole SC : Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Picoxystrobin/Propiconazole SC : Species: Rabbit
Result: No eye irritation

Respiratory or skin sensitisation

Picoxystrobin/Propiconazole SC : Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Picoxystrobin : Weight of evidence does not support classification as a germ cell mutagen.

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

Carcinogenicity

Picoxystrobin : Not classifiable as a human carcinogen.
Overall weight of evidence indicates that the substance is not carcinogenic.

Propiconazole : Not classifiable as a human carcinogen.
Overall weight of evidence indicates that the substance is not carcinogenic.

Reproductive toxicity

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



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Propiconazole : Reproductive toxicity: Animal testing showed no reproductive toxicity.
No effects on or via lactation
Teratogenicity: Some evidence of adverse effects on development, based on animal experiments.
Animal testing showed effects on embryo-foetal development including:
Foetal malformations
Reduced embryo-foetal viability

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.

Propiconazole : 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.

Propiconazole : Likely route of exposure: Ingestion
Target Organs: Liver
The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

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

Propiconazole : Repeated dose toxicity:
Ingestion/Mouse 90 d
Method: OPPTS 870.3100
Liver effects

12. ECOLOGICAL INFORMATION

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Ecotoxicity effects

Acute and prolonged toxicity to fish

Picoxystrobin/Propiconazole SC : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 0.091 mg/l
(Data on the product itself)

Toxicity to aquatic plants

Picoxystrobin/Propiconazole SC : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): 0.059 mg/l
(Data on the product itself)

Acute toxicity to aquatic invertebrates

Picoxystrobin/Propiconazole SC : EC50/48 h/Daphnia magna (Water flea): 0.078 mg/l
(Data on the product itself)

Chronic toxicity to aquatic Invertebrates

Picoxystrobin : NOEC/21 d/Daphnia magna (Water flea): 0.008 mg/l
Propiconazole : NOEC/21 d/Daphnia magna (Water flea): 0.31 mg/l

Persistence and degradability

Propiconazole : Result: Not biodegradable

Bioaccumulation

Propiconazole : Bioaccumulation is unlikely.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods : Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Container Refilling and Disposal: Refer to the product label for instructions. Do not transport if this container is damaged or leaking.

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.
(Propiconazole, Picoxystrobin)
Class : 9
Packing group : III
Marine pollutant : yes (Propiconazole, Picoxystrobin)

IATA

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Propiconazole, Picoxystrobin)
Class : 9
Packing group : III

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Matters needing attention : Not applicable
for transportation
Hazchem Code : .3Z

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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