

**DuPont™ Approach™ Prima Fungicide**

Version 2.2

Revision Date 10/01/2013

Ref. 130000033552

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

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	:	DuPont™ Approach™ Prima Fungicide
Tradename/Synonym	:	DPX-PZX74 DPX-PZX74 280SC PICOXYSTROBIN: Methyl (αE)-α-(methoxymethylene)-2-[[[6-(trifluoromethyl)-2-pyridinyl]oxy]methyl]benzeneacetate CYPROCONAZOLE: α-(4-chlorophenyl)-α-(1-cyclopropylethyl)-1H-1,2,4-triazole-1-ethanol
MSDS Number	:	130000033552
Product Use	:	Fungicide
Manufacturer	:	DuPont 1007 Market Street Wilmington, DE 19898
Product Information	:	1-800-441-7515 (outside the U.S. 1-302-774-1000)
Medical Emergency	:	1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency	:	CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION**

## Emergency Overview

## Caution

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before re-use. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

This product is toxic to fish. This product is toxic to: Aquatic invertebrates

## Potential Health Effects

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This section includes potential acute adverse effects which could occur if this material is not used according to the label.

Skin : Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Ingestion  
Cyproconazole : Effects due to ingestion may include: narcosis

Repeated exposure  
Cyproconazole : Limited evidence of a carcinogenic effect. Possible risk of harm to the unborn child. Adverse effects from repeated ingestion may include: Liver effects altered blood chemistry

Target Organ  
Cyproconazole : Central nervous system Liver

Carcinogenicity  
None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Picoxystrobin	117428-22-5	17.94 %
Cyproconazole	94361-06-5	7.17 %
Other Ingredients		74.89 %

**SECTION 4. FIRST AID MEASURES**

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- 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 : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- 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.
- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
For medical emergencies involving this product, call toll free 1-800-441-3637. See Label for Additional Precautions and Directions for Use.

**SECTION 5. FIREFIGHTING MEASURES**

- Flammable Properties
- Flash point : > 97 °C (> 207 °F)
- Ignition temperature : 455 °C (851 °F)
- Suitable extinguishing media : Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO2)
- Unsuitable extinguishing media : High volume water jet, (contamination risk)
- Firefighting Instructions : In the event of fire, wear self-contained breathing apparatus. Evacuate personnel and keep upwind of fire. 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. Do not allow run-off from fire fighting to enter drains or water courses. Control Runoff.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.
- Spill Cleanup : Clean-up methods - small spillage Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.  
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.
- Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Wash hands before breaks and immediately after handling the product. 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.
- Handling (Physical Aspects) : Keep away from heat and sources of ignition.
- Storage : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Keep out of the reach of children.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering controls : Ensure adequate ventilation. When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Personal protective equipment  
Hand protection : Material: Protective gloves

Skin and body protection : Mixers, loaders, applicators and other handlers who may be exposed to the concentrate must wear:  
Long sleeved shirt and long pants  
Shoes plus socks  
Chemical resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride.  
PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:  
Coveralls  
Shoes plus socks  
Chemical resistant gloves made of any waterproof material

Protective measures : Use this product in accordance with its label. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. 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.

Exposure Guidelines  
Exposure Limit Values

None established.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : liquid

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Color : off-white  
Odor : sweet  
pH : 7 at 10 g/l 25 °C (77 °F)  
Density : 1.12 g/cm<sup>3</sup>  
Water solubility : miscible  
Viscosity : 109 - 538 mPa.s at 20 °C (68 °F)  
Viscosity : 87.9 - 475 mPa.s at 40 °C (104 °F)

**SECTION 10. STABILITY AND REACTIVITY**

Stability : Stable at normal temperatures and storage conditions.  
Conditions to avoid : None reasonably foreseeable.  
Incompatibility : No materials to be especially mentioned.  
Hazardous decomposition products : Hazardous decomposition products: Carbon dioxide (CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>)  
Hazardous reactions : Polymerization will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

## DuPont™ Aproach™ Prima Fungicide

Inhalation 4 h LC50 : 7.34 mg/l , rat  
Dermal LD50 : > 4,000 mg/kg , rat  
Oral LD50 : > 2,000 mg/kg , rat  
Skin irritation : No skin irritation, rabbit  
Eye irritation : No eye irritation, rabbit  
Sensitisation : May cause sensitisation by skin contact., mice

## Picoxystrobin

Repeated dose toxicity :



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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, Gastrointestinal effects

Oral - feed  
 rat  
 90 d  
 Reduced body weight gain, Increased liver weight, No effect to neurotoxicity.

Oral  
 dog  
 1 y  
 Reduced body weight gain, altered blood chemistry

Carcinogenicity : Overall weight of evidence indicates that the substance is not carcinogenic.

Mutagenicity : Overall weight of evidence indicates that the substance is not mutagenic.

Reproductive toxicity : Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed no developmental toxicity.

Cyproconazole  
 Repeated dose toxicity : Oral - feed  
 multiple species


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Target Organs: Liver  
 Reduced body weight gain, altered blood chemistry, Liver effects,  
 Increased liver weight

- Carcinogenicity : An increased incidence of tumours was observed in laboratory animals.
- Mutagenicity : Evidence suggests this substance does not cause genetic damage in animals.  
 Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- Reproductive toxicity : Animal testing showed no reproductive toxicity.
- Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.  
 Reduced embryo-foetal viability

**SECTION 12. ECOLOGICAL INFORMATION**
**Aquatic Toxicity**
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- 96 h LC50 : Oncorhynchus mykiss (rainbow trout) 0.27 mg/l
- 72 h ErC50 : Pseudokirchneriella subcapitata (green algae) 0.94 mg/l
- 48 h EC50 : Daphnia magna (Water flea) 0.058 mg/l

**Picoxystrobin**

- 21 d : NOEC Daphnia magna (Water flea) 0.008 mg/l

**Environmental Fate**
**Cyproconazole**

- Biodegradability : Not readily biodegradable.

**Additional ecological information**

- : Environmental Hazards: This product is toxic to fish. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated




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areas. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. See product label for additional application instructions relating to environmental precautions.

**SECTION 13. DISPOSAL CONSIDERATIONS**

- Waste Disposal : 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 Disposal : Refer to the product label for instructions.  
Do not transport if this container is damaged or leaking.  
In the event of a major spill, fire or other emergency, call 1-800-441-3637 day or night.

**SECTION 14. TRANSPORT INFORMATION**

- |        |                      |  |
|--------|----------------------|--|
| IATA_C | UN number            | : 3082   |
|        | Proper shipping name | : Environmentally hazardous substance, liquid, n.o.s. (Cyproconazole, Picoxystrobin) |
|        | Class                | : 9  |
|        | Packing group        | : III  |
|        | Labelling No.        | : 9MI  |
| IMDG   | UN number            | : 3082   |
|        | Proper shipping name | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cyproconazole, Picoxystrobin) |
|        | Class                | : 9  |
|        | Packing group        | : III  |
|        | Labelling No.        | : 9  |

Not regulated as a hazardous material by DOT.

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**SECTION 15. REGULATORY INFORMATION**

- SARA 313 Regulated Chemical(s) : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- EPA Reg. No. : 352-883  
In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.
- California Prop. 65 : WARNING! This product contains a chemical or chemicals known to the State of California to cause cancer.
- PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Propane-1,2-diol

**SECTION 16. OTHER INFORMATION**

- ™ Trademark of E.I. du Pont de Nemours and Company.  
® Registered trademark of E.I. du Pont de Nemours and Company

Contact person : DuPont Crop Protection, Wilmington, DE, 19898, Phone: 1-888-638-7668

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