

**DuPont™ Aproach™ Fungicide**

Version 2.2

Revision Date 12/11/2012

Ref. 130000036186

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™ Aproach™ Fungicide  
Tradename/Synonym : DPX-YT669 250SC  
Aproach 250SC  
Acanto 250SC  
Acapela  
B12329307  
Picoxystrobin: Methyl [E]-3-methoxy-2-{2-[[[6-(trifluoromethyl)pyridin-2-yl]-oxy]methyl]phenyl}acrylate

MSDS Number : 130000036186

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

Causes moderate eye irritation. 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.

## 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 : May cause: Irritation with discomfort or rash.

Eyes : May cause: Irritation with discomfort, pain, redness, or visual impairment.

**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	22.5 %
Other Ingredients		77.5 %

**SECTION 4. FIRST AID MEASURES**

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.

Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

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- 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 : does not flash
- Ignition temperature : 460 °C (860 °F)

Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet, (contamination risk)

Firefighting Instructions : In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.  
(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.

**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 : Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.



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Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Dispose of in accordance with local regulations.

**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : 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.
- 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.

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

- Engineering controls : Ensure adequate ventilation, especially in confined areas.
- Personal protective equipment
  - Eye protection : Wear protective eyewear to prevent contact with this substance.
  - Skin and body protection : Mixers, loaders, applicators and other handlers must wear:  
Long sleeved shirt and long pants  
Shoes plus socks  
Chemical resistant gloves made of any waterproof material, such as polyvinyl chloride, nitrile rubber, or butyl rubber  
Personal protective equipment required for early entry:  
Coveralls  
Shoes plus socks  
Chemical resistant gloves made of any waterproof material
- Protective measures : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and

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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.

Exposure Guidelines  
Exposure Limit Values

None established.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: liquid
Color	: off-white
Odor	: not significant
pH	: 6.2 - 7.4
Boiling point	: Not available for this mixture.
Oxidizing Substance	: The product is not oxidizing.
Density	: 1.11 g/cm <sup>3</sup> at 21 °C (70 °F)
Bulk density	: 8.5 - 9.5 lb/gal
Water solubility	: miscible
Viscosity	: 80 mPa.s at 25 °C (77 °F)

**SECTION 10. STABILITY AND REACTIVITY**

Stability	: Stable at normal temperatures and storage conditions.
Conditions to avoid	: Temperature <= -5 °C (<= 23 °F) To avoid thermal decomposition, do not overheat. Protect from frost.
Incompatibility	: No materials to be especially mentioned.
Hazardous reactions	: Hazardous polymerization will not occur.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

## DuPont™ Aproach™ Fungicide

Inhalation 4 h LC50 : &gt; 5.3 mg/l , rat

Dermal LD50 : &gt; 2,000 mg/kg , rat

Oral LD50 : 5,000 mg/kg , rat

Skin irritation : slight irritation, rabbit

Eye irritation : Moderate eye irritation, rabbit

Sensitisation : May cause sensitization by skin contact., guinea pig

## Picoxystrobin

Repeated dose toxicity :

The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Oral - feed

rat

90 d

Reduced body weight gain, Increased liver weight, No effect to neurotoxicity.

Dermal

rat

28 d

No toxicologically significant effects were found.

Oral

dog

1 y

Reduced body weight gain, altered blood chemistry

Inhalation

rat

28 d

No toxicologically significant effects were found.

Oral


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mouse  
90 d  
Reduced body weight gain, Increased liver weight, Gastrointestinal effects

Dermal  
rat  
28 d  
No toxicologically significant effects were found.

- Carcinogenicity** : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions. An increased incidence of benign tumours was observed in laboratory animals.
- 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.

**SECTION 12. ECOLOGICAL INFORMATION**
**Aquatic Toxicity**
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- 96 h LC50 : Oncorhynchus mykiss (rainbow trout) 0.24 mg/l
- 72 h ErC50 : Pseudokirchneriella subcapitata (green algae) 1.2 mg/l
- 48 h EC50 : Daphnia magna (Water flea) 0.086 mg/l

**Picoxystrobin**

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

- Additional ecological information** : Environmental Hazards: For Terrestrial Uses: 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.

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**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 : Container Refilling and 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. (Picoxystrobin) |
|        | Class                | : 9   |
|        | Packing group        | : III   |
|        | Labelling No.        | : 9MI   |
| IMDG   | UN number            | : 3082  |
|        | Proper shipping name | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Picoxystrobin) |
|        | Class                | : 9   |
|        | Packing group        | : III   |
|        | Labelling No.        | : 9   |

Not regulated as a hazardous material by DOT.

**SECTION 15. REGULATORY INFORMATION**





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- 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-IUN  
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 : Chemicals known to the State of California to cause cancer, birth defects or any other harm: none known

**SECTION 16. OTHER INFORMATION**

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

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