

SAFETY DATA SHEET



Acanto® Fungicide

Version 0.0

Document no. 130000028780

Revision Date 23.12.2019

Issue Date 23.12.2019

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

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : Acanto® fungicide

Other names : B12329307
DPX-YT669 250SC

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, representative office

Company : DuPont (New Zealand) Limited
Street address : 89 Paritutu Road, New Plymouth, 4310
New Zealand

Customer Information Number: 0800-803-939
NZCustomerservice@corteva.com

EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Contact: 0800 844 455

Local Emergency Contact: +64 6 751 2407

For medical advice, contact the New Zealand Poisons Information Centre:

0800 POISON (0800 764 766)

Transport Emergency Only Dial: 111

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria in the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Refer to Section 15 for HSNO Approval Number.
Classified as a Dangerous Good according to NZS 5433

HSNO Classification:

9.1A : Aquatic toxicity (Acute or Chronic)

9.2B : Ecotoxic to soil environment

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

Label content

Pictogram :



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- Signal word : Warning
- Hazardous warnings : Very toxic to aquatic life with long lasting effects.
Toxic to the soil environment
- Precautionary statements : Avoid release to the environment.
IF INHALED: Call a POISON CENTER or doctor/ physician if you feel unwell.
Call a POISON CENTER or doctor/ physician 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
Picoxystrobin	117428-22-5	20 - 30 %
Propane-1,2-diol	57-55-6	7 - 10 %
Balance	N/A	60 – 73 %

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 contaminated clothing immediately. Wash off skin immediately with soap and plenty of water. Call a poison control center or doctor for treatment advice. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.
- 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. If victim is conscious: Rinse mouth. 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** : Treat symptomatically.

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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** : In the event of fire, wear self-contained breathing apparatus. Wear full 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.
- Hazchem Code** : •3Z

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Evacuate personnel to safe areas. Keep people away from and up-wind of spill/leak. Ensure adequate ventilation. Avoid contact with skin and eyes. Use personal protective equipment. Wear suitable protective equipment.
- Environmental precautions** : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and cleaning up** : Prevent further leakage or spillage. Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container. Large spills should be collected mechanically (remove by pumping) for disposal.
- Additional advice** : Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE**Handling**

- Technical measures/Precautions** : Keep away from heat and sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.
- Precautions for safe handling** : Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

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Storage

Suitable storage conditions : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Keep out of the reach of children. Storage temperature: $\geq 5^{\circ}\text{C}$. Stable under recommended storage conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Applicable occupational exposure limits are listed below.

Propane-1,2-diol		
WES-TWA	10 mg/m ³ (particulate)	NZ OEL (2013-02-01)
WES-TWA	150 ppm 474 mg/m ³ (Vapour and particulates)	NZ OEL (2013-02-01)

Engineering measures : Ensure adequate ventilation, especially in confined areas.

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 water-proof 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 : Avoid contact with skin, eyes and clothing. Do not breathe dust or spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash all protective clothing after use.

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 re-use them.

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

Physical state : Liquid
Form : Liquid
Colour : Off-white

Odour : Not significant

Odour Threshold : No information available.

pH : 6.1 - 8.4

Melting point/freezing point

No information available.

Initial boiling point and boiling range

Boiling point : Not available for this mixture.

Flash point : Does not flash

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 : 1.11 g/cm³ (21 °C)

Solubility(ies)

Water solubility : Miscible

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

Auto-ignition temperature

Auto-ignition temperature : Not auto-flammable
Ignition temperature : 460°C

Decomposition temperature : No information available.

Viscosity

Viscosity, kinematic : No information available.
Viscosity, dynamic : 80 mPa.s (25 °C)

Molecular weight : No information available.

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Oxidizing properties : The product is not oxidizing.

10. STABILITY AND REACTIVITY

Reactivity : No information available.

Chemical stability : Stable at normal temperatures and storage conditions.

Possibility of hazardous reactions : Hazardous polymerization will not occur. Heating can release hazardous gases.

Conditions to avoid : Temperature: <= -5°C
To avoid thermal decomposition, do not overheat. Protect from frost.

Materials to avoid : No materials to be especially mentioned.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.,
Burning produces noxious and toxic fumes.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Oral

Acanto® fungicide : LD50/Rat: 5,000 mg/kg

Inhalation

Acanto® fungicide : LC50/4 h/Rat(dust/mist): > 5.3 mg/l

Dermal

Acanto® fungicide : LD50/Rat: > 2,000 mg/kg

Skin corrosion/irritation

Acanto® fungicide : Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Acanto® fungicide : Species: Rabbit
Result: No eye irritation

Respiratory or skin sensitisation

Acanto® fungicide : Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.
Minimal effects that do not meet the threshold for classification.

Germ cell mutagenicity

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

Propane-1,2-diol : 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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- Picoxystrobin : Not classifiable as a human carcinogen. Overall weight of evidence indicates that the substance is not carcinogenic.
- Propane-1,2-diol : Animal testing did not show any carcinogenic effects.

Reproductive toxicity

- Picoxystrobin : Reproductive toxicity: No toxicity to reproduction
Teratogenicity: Animal testing showed no developmental toxicity.
- Propane-1,2-diol : Reproductive toxicity: No toxicity to reproduction
Animal testing showed no reproductive toxicity.
No effects on or via lactation
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.
- Propane-1,2-diol : 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.
- Propane-1,2-diol : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

- Picoxystrobin : No aspiration toxicity classification
- Propane-1,2-diol : 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
- Propane-1,2-diol : Repeated dose toxicity:
Ingestion/Cat 94 d
NOAEL: 443 mg/kg
LOAEL: 4,239 mg/kg
No toxicologically significant effects were found.
- Inhalation/Rat 90 d
NOAEL: > 2.2 mg/l
LOAEL: 0.16 mg/l
No toxicologically significant effects were found.

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12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Acute and prolonged toxicity to fish

Acanto® fungicide : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 0.24 mg/l

Toxicity to aquatic plants

Acanto® fungicide : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): 1.2 mg/l

Acute toxicity to aquatic invertebrates

Acanto® fungicide : EC50/48 h/Daphnia magna (Water flea): 0.086 mg/l

Chronic toxicity to aquatic Invertebrates

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

Propane-1,2-diol : NOEC/7 d/Ceriodaphnia dubia (water flea): 13,020 mg/l

Persistence and degradability

Picoxystrobin : Result: Not biodegradable

Propane-1,2-diol : Result: Biodegradable

Bioaccumulation

Propane-1,2-diol : Bioaccumulation is unlikely.

Mobility in soil

No information available.

Other adverse effects

Acanto® fungicide : 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.

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. Do not reuse empty container. Dispose of the product in accordance with label directions.

Contaminated packaging : Do not re-use empty containers. Triple rinse containers. Add rinsing's to spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture, and bury empty containers in a local authority landfill.

14. TRANSPORT INFORMATION**Classification for ROAD and Rail transport:**

UN number : 3082

UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Picoxystrobin)

Transport hazard class : 9

Packing group : III

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Classification for SEA transport (IMO-IMDG):

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

Classification for AIR transport (IATA/ICAO):

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 : Marine Pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code and IATA special provision A197. If the product meets these special provisions, it may be shipped in New Zealand as a non-dangerous goods under provisions in NZS 5433 code which accepts IMDG and IATA classification.

15. REGULATORY INFORMATION

HSNO Number : HSR000131

ACVM Number: P007151

16. OTHER INFORMATION**References**

SDS Number: 130000028780

Revision Date/Version

Date of first preparation : 14.09.2015

Revision Date : 23.12.2019

Take notice of the directions of use on the label.

(R) Registered trademark of E.I. du Pont de Nemours and Company

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