

SAFETY DATA SHEET



DuPont™ Acanto® fungicide

Version 2.0

Revision Date 14.09.2015

Document no. 130000028780

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 : DuPont™ Acanto® fungicide

Other names : B12329307
DPX-YT669 250SC

Recommended use of the chemical and restriction on use

No information available.

Manufacturer, importer, supplier

Company : DuPont (New Zealand) Limited
Street address : Level 1, 14 Ormiston Road, East Tamaki, Auckland 2016
New Zealand
Telephone : 0800 658080
Telefax : (09)-271-2961

Emergency telephone number : NZ Poisons Information Centre Ph: 0800 764766
24-hour Medical Emergency: 0800 387 668 Transport Emergency: 0800 387 668

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001
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 :



Signal word : Warning

Hazardous warnings : Very toxic to aquatic life with long lasting effects.
Toxic to the soil environment.

Precautionary statements : Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

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Components

Chemical Name	CAS-No.	Concentration
Picoxystrobin	117428-22-5	25 %
Other Ingredients		75 %

4. FIRST AID MEASURES

Contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if you feel unwell.

- Inhalation** : Move to fresh air. If not breathing, give artificial respiration. Use mouth to nose rather than mouth to mouth. Obtain medical attention.
- Skin contact** : Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.
- Eye contact** : If easy to do, remove contact lens, if worn. Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.
- Ingestion** : Obtain medical attention. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is conscious: Rinse mouth with water.
- Most important symptoms/effects, acute and delayed** : No information available.
- Protection of first-aiders** : No information available.
- Notes to physician** : Treat symptomatically.

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** : (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. 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.

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Hazchem Code : .3Z

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Avoid contact with the skin and the eyes.
- Environmental precautions** : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and cleaning up** : Clean-up methods - small spillage Soak up with inert absorbent material. Sweep up or vacuum up spillage and collect in 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

Handling

Technical measures/Precautions : Keep out of reach of children. When using do not eat, drink or smoke.

Precautions for safe handling : 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.

Storage

Suitable storage conditions : Store in original container. Keep container tightly closed. Keep away from food, fertilizers and seeds.

Storage period: Storage temperature: ≥ 5 °C
Stable under recommended storage conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No information available.

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

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Biological occupational exposure limits : No information available.

Personal protective equipment

Respiratory protection : None specified.

Hand protection : Material: Waterproof gloves

Eye protection : Wear protective eyewear to prevent contact with this substance.
Face shield

Skin protection : When mixing or applying wear: Protective clothing, Face shield, Waterproof gloves, Footwear (shoes, boots).

Hygiene measures : Avoid contact with the skin and the eyes. Avoid breathing spray mist. Wash hands before eating, drinking, or smoking. Wash hands and face before breaks and after work.

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)
Bulk density : 8.9 - 9.5 lb/gal

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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.

10. STABILITY AND REACTIVITY

Reactivity

: No information available.

Chemical stability

: The product is chemically stable under recommended conditions of storage, use and temperature.
No decomposition if stored and applied as directed.

Possibility of hazardous reactions

: No dangerous reaction known under conditions of normal use. Polymerization will not occur. Heating can release hazardous gases.

Conditions to avoid

: Temperature: $\leq -5^{\circ}\text{C}$
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

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

Inhalation

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

Dermal

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

Skin corrosion/irritation

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

Serious eye damage/eye irritation

DuPont™ Acanto® fungicide : Species: Rabbit

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Result: No eye irritation

Respiratory or skin sensitisation

DuPont™ 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.

Carcinogenicity

Picoxystrobin : 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.

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

DuPont™ Acanto® fungicide : Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.

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, altered blood chemistry
 Oral/Mouse 1.5 yr
 Reduced body weight gain, Increased liver weight, Gastrointestinal effects

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

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Acute and prolonged toxicity to fish

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

Toxicity to aquatic plants

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

Acute toxicity to aquatic invertebrates

DuPont™ 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

Persistence and degradability

DuPont™ Acanto® fungicide : Not readily biodegradable. Estimation based on data obtained on active ingredient.

Bioaccumulation

DuPont™ Acanto® fungicide : Does not bioaccumulate. Estimation based on data obtained on active ingredient.

Mobility in soil

No information available.

Other adverse effects

DuPont™ Acanto® fungicide : No other ecological effects to be specially mentioned See product label for additional application instructions relating to environmental precautions.

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 rinsings to spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, burn if circumstances permit otherwise bury in an approved landfill. If not recycling, break, crush, or puncture, and bury empty containers in a local authority landfill.

14. TRANSPORT INFORMATION

NZS 5433

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

IMDG

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

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Packing group : III
Marine pollutant : yes

IATA

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

Matters needing attention for transportation : 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
HSNO Controls : E1, E2, E5, E6, E7, E8
I1, I3, I9, I11, I19, I21, I23, I29
P1, P3, P15, PG3
D5, D6, D7, D8
EM1, EM7, EM8, EM11, EM12, EM13, AH1

ACVM Number: P007151

16. OTHER INFORMATION

References

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Date of first preparation : 14.09.2015
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Before use read DuPont's safety information. 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.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.