

SAFETY DATA SHEET



DuPont™ Talendo® fungicide

Version 2.0

Revision Date 16.02.2016

Document no. 130000000506

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

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

Product name : DuPont™ Talendo® fungicide

Other names : B11640448
DPX-KQ926 200EC

Recommended use of the chemical and restriction on use

Recommended use : Fungicide

Manufacturer, importer, supplier

Company : Du Pont (Australia) Pty Ltd
Street address : 7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Telephone : (02) 9923 6111

Telefax : (02) 9923 6011

Emergency telephone number : (02) 9923 6275 (Transport Emergency)
(24 hr Emergency Medical Information: 1800 674 415)

2. HAZARDS IDENTIFICATION

Product hazard classification

Flammable liquids : Category 4

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 1

Carcinogenicity : Category 2

Acute aquatic toxicity : Category 2

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

Hazardous warnings : Combustible liquid.
Causes skin irritation.
Causes serious eye damage.
Suspected of causing cancer.
Very toxic to aquatic life with long lasting effects.

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Precautionary statements : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Wash skin thoroughly after handling.
Wear protective gloves/ eye protection/ face protection.
Use personal protective equipment as required.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
IF exposed or concerned: Get medical advice/attention.
If skin irritation occurs: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Collect spillage.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/ container to an approved waste disposal plant.

Other hazards

CAUSES NOSE AND THROAT IRRITATION.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Components

Chemical Name	CAS-No.	Concentration
Proquinazid	189278-12-4	20.5 %
Other Ingredients		79.5 %

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. If poisoning occurs, contact a doctor or Poisons Information Centre. In Australia 13 11 26.

Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary.

Skin contact : 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. 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. Never give anything by mouth to an unconscious person.

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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, Dry chemical, Foam, 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. Use personal protective equipment.

Specific extinguishing methods : No information available.

Further information : 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. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazchem Code : .3Z

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

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

Methods and materials for containment and cleaning up : Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.
If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.

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

7. HANDLING AND STORAGE

Handling

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Technical measures/Precautions : May irritate the nose and throat. Avoid contact with skin and eyes. 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.

Storage

Suitable storage conditions : Store in original container. Keep containers tightly closed in a cool, well-ventilated place. DO NOT store for prolonged periods in direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No information available.

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: Chemical-resistant gloves
Glove length: elbow length
When opening the container, preparing spray and using the prepared spray, Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing).

Eye protection : Face-shield, Goggles

Skin protection : Opening the container and preparing spray, Wear cotton overalls buttoned to neck and wrist, and a washable hat, Goggles, face shield, or safety glasses, Disposable fume face mask covering mouth and nose

Hygiene measures : Avoid contact with the skin and the eyes. Remove clothing/PPE immediately if material gets inside. Wash all protective clothing after use.

Protective measures : All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated. End users of this product should follow label instructions for personal protection when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state : liquid
Form : liquid
Colour : brown

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Odour	: sweet ester-like
Odour Threshold	: not determined
pH	: 6.2 (10 g/l) (20 °C)
Melting point/freezing point	
Melting point/range	: Not applicable
Initial boiling point and boiling range	
Boiling point/boiling range	: Not available for this mixture.
Flash point	: 74 °C
Evaporation rate	: No information available.
Flammability (solid, gas)	: not auto-flammable
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	
Specific gravity (Relative density)	: 0.9758
Solubility(ies)	
Water solubility	: emulsifiable
Partition coefficient: n-octanol/water	: No information available.
Auto-ignition temperature	
Auto-ignition temperature	: 285 °C
Decomposition temperature	: No information available.
Viscosity	
Viscosity, kinematic	: 3.79 mm ² /s (20 °C)
Molecular weight	: No information available.

10. STABILITY AND REACTIVITY

Reactivity	: No information available.
Chemical stability	: Stable at normal temperatures and storage conditions.


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- Possibility of hazardous reactions** : No information available.
- Conditions to avoid** : To avoid thermal decomposition, do not overheat. Protect from frost.
- Materials to avoid** : No materials to be especially mentioned.
- Hazardous decomposition products** : No information available.

11. TOXICOLOGICAL INFORMATION
Acute toxicity
Oral

- DuPont™ Talendo® fungicide : LD50/Rat: > 2,000 mg/kg
Method: Fixed Dose Method
(Data on the product itself), Information source: Internal study report

Inhalation

- Proquinazid : LC50/4 h/Rat: > 5.2 mg/l

Dermal

- DuPont™ Talendo® fungicide : LD50/Rat: > 5,000 mg/kg
Method: OECD Test Guideline 402
(Data on the product itself), Information source: Internal study report

Skin corrosion/irritation

- DuPont™ Talendo® fungicide : Species: Rabbit
Result: Irritating to skin.
Method: OECD Test Guideline 404
(Data on the product itself) Information source: Internal study report

Serious eye damage/eye irritation

- DuPont™ Talendo® fungicide : Species: Rabbit
Result: Risk of serious damage to eyes.

Respiratory or skin sensitisation

- DuPont™ Talendo® fungicide : Maximisation Test (GPMT)
Species: Guinea pig
Result: Animal test did not cause sensitization by skin contact.
Method: US EPA Test Guideline OPPTS 870.2600
(Data on the product itself)
Information source: Internal study report

Germ cell mutagenicity

- Proquinazid : Did not show mutagenic effects in animal experiments. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

- Proquinazid : Limited evidence of a carcinogenic effect.
Animal experiments showed a statistically significant number of tumours.

Reproductive toxicity

- Proquinazid : Reproductive toxicity: Animal testing did not show any effects on fertility.
Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.


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Specific Target Organ Toxicity

No information available.

Aspiration hazard

No information available.

Other

Proquinazid : Repeated dose toxicity:
 Oral - feed/Rat
 Reduced body weight gain, Liver effects, Kidney effects, Thyroid effects,
 Abnormal serum enzyme levels, Organ weight changes, altered
 hematology

12. ECOLOGICAL INFORMATION
Ecotoxicity effects

Acute and prolonged toxicity to fish

DuPont™ Talendo® fungicide : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 2.3 mg/l
 Method: OECD Test Guideline 203
 (Data on the product itself), Information source: Internal study report

Toxicity to aquatic plants

DuPont™ Talendo® fungicide : EbC50/72 h/Pseudokirchneriella subcapitata (microalgae): 1.4 mg/l
 Method: OECD Test Guideline 201
 (Data on the product itself), Information source: Internal study report

Acute toxicity to aquatic invertebrates

DuPont™ Talendo® fungicide : static test/EC50/48 h/Daphnia (water flea): 1.8 mg/l
 Method: OECD Test Guideline 202
 (Data on the product itself), Information source: Internal study report

Chronic toxicity to fish

Proquinazid : Early Life-Stage/NOEC/Oncorhynchus mykiss (rainbow trout): 0.0030 mg/l

Chronic toxicity to aquatic Invertebrates

Proquinazid : NOEC/Daphnia magna (Water flea): 0.0018 mg/l

Persistence and degradability

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

Bioaccumulation

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

Mobility in soil

No information available.

Other adverse effects

DuPont™ Talendo® fungicide : See product label for additional application instructions relating to environmental precautions.

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13. DISPOSAL CONSIDERATIONS

- Waste disposal methods** : Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. 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. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
- Contaminated packaging** : Do not re-use empty containers.

14. TRANSPORT INFORMATION

Hazchem Code : .3Z

IMDG

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

IATA

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

Matters needing attention for transportation : Not dangerous goods under ADG code when being transported in IBCs or other receptacles < 500 kg (Special Provision AU01). 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.

Not classified as dangerous goods according to the ADG Code.

15. REGULATORY INFORMATION

SUSMP: Schedule 6
APVMA Approval number: 64165

16. OTHER INFORMATION

References

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Date of first preparation	:	16.02.2016
Revision Date	:	16.02.2016
Version	:	2.0

Before use read DuPont's safety information. Take notice of the directions of use on the label.

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READ SAFETY DIRECTIONS BEFORE OPENING OR USING

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.