

SAFETY DATA SHEET



Talendo® fungicide

Document no. 13000000506

Revision Date 13.01.2020

Issue Date 13.01.2020

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 : Talendo® fungicide

Other names : B11640448
DPX-KQ926 200EC

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:

- 3.1D : Flammable Liquids
- 6.1E : Acute toxicity (Oral)
- 6.3A : Skin irritation
- 8.3A : Serious eye damage
- 6.7B : Carcinogenicity
- 6.9A : Specific Target Organ Toxicity
- 9.1B : Aquatic toxicity (Acute or Chronic)

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

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Label content

Pictogram

:



Signal word

: Danger

Hazardous warnings

: Combustible liquid.
 May be harmful if swallowed.
 Causes skin irritation.
 Causes serious eye damage.
 Suspected of causing cancer.
 Causes damage to organs.
 Very toxic to aquatic life with long lasting effects.

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.
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Wash skin thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Avoid release to the environment.
 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 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.
 Specific treatment (see supplemental first aid instructions on this label).
 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

Harmful if swallowed, inhaled or absorbed through skin. Do not breathe vapour.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

: Mixture

Components

Chemical name	CAS-No.	Concentration
Proquinazid	189278-12-4	20.5 %
Balance	N/A	79.5 %

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4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if you feel unwell.

- Inhalation** : Move to fresh air. Consult a physician after significant exposure. Artificial respiration and/or oxygen may be necessary.
- 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** : 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** : 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, 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

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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. Dispose of wastes in an approved waste disposal facility

7. HANDLING AND STORAGE

Handling

- Technical measures/Precautions** : 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** : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Keep locked up. Keep out of the reach of children. DO NOT store for prolonged periods in direct sunlight Do not re-use empty container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No occupational exposure limit values are applicable.

- 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.

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- Hand protection : Chemical-resistant elbow length gloves
- Eye protection : Wear protective eyewear to prevent contact with this substance.
- Skin protection : Opening the container, preparing and using spray: Wear cotton overalls buttoned to neck and wrist, and a washable hat. Goggles, face shield, or safety glasses.
- Hygiene measures** : Avoid breathing concentrate or spray mist. Avoid contact with the skin and the eyes. Remove clothing/PPE immediately if material gets inside. Wash all protective clothing after use. Wash hands and face before breaks and after work. When using do not eat, drink or smoke.
- 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

Odour : Sweet ester-like

Odour Threshold : Not determined

pH : 6.2 (10 g/l) (20 °C)

Melting point/freezing point

No information available.

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

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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.

ViscosityViscosity, kinematic : 3.79 mm²/s (20 °C)**Molecular weight**

: No information available.

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

: 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**Talendo® fungicide : LD50/Rat: > 2,000 mg/kg
Method: Fixed Dose Method
Information source: Internal study report**Inhalation**

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

DermalTalendo® fungicide : LD50/Rat: > 5,000 mg/kg
Method: OECD Test Guideline 402
Information source: Internal study report**Skin corrosion/irritation**

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Talendo® fungicide : Species: Rabbit
 Result: Irritating to skin.
 Method: OECD Test Guideline 404
 Information source: Internal study report

Serious eye damage/eye irritation

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

Respiratory or skin sensitisation

Talendo® fungicide : Maximisation Test
 Species: Guinea pig
 Result: Animal test did not cause sensitization by skin contact.
 Method: US EPA Test Guideline OPPTS 870.2600
 Information source: Internal study report

Germ cell mutagenicity

Talendo® fungicide : Did not show mutagenic effects in animal experiments. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

Talendo® fungicide : Animal experiments showed a statistically significant number of tumours. Limited evidence of a carcinogenic effect.

Reproductive toxicity

Talendo® fungicide : Reproductive toxicity: Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.

Specific Target Organ Toxicity

Specific target organ toxicity - single exposure

Talendo® fungicide : Causes damage to organs.

Specific target organ toxicity - repeated exposure

Talendo® fungicide : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

: No aspiration toxicity classification

Other

Proquinazid : Repeated dose toxicity: Oral - feed/Rat/male
 NOAEL: 30 mg/kg
 Method: OECD Test Guideline 408
 Target Organs: Thyroid
 Information source: Internal study report

Oral - feed/Rat/female
 NOAEL: 100 mg/kg
 Method: OECD Test Guideline 408
 Target Organs: Thyroid
 Information source: Internal study report

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Oral - feed/Rat/male
 NOAEL: 200 mg/kg
 Method: OECD Test Guideline 408
 Target Organs: Nervous system
 Information source: Internal study report

Oral - feed/Rat/female
 NOAEL: 600 mg/kg
 Method: OECD Test Guideline 408
 Target Organs: Nervous system
 Information source: Internal study report

Oral - feed/Rat
 Reduced body weight gain, Liver effects, Kidney effects, Thyroid effects,
 Abnormal serum enzyme levels, Organ weight changes, altered
 haematology

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Acute and prolonged toxicity to fish

Talendo® fungicide : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 2.3 mg/l
 Method: OECD Test Guideline 203
 Information source: Internal study report

Toxicity to aquatic plants

Talendo® fungicide : EbC50/72 h/Pseudokirchneriella subcapitata (microalgae): 1.4 mg/l
 Method: OECD Test Guideline 201
 Information source: Internal study report

Acute toxicity to aquatic invertebrates

Talendo® fungicide : static test/EC50/48 h/Daphnia (water flea): 1.8 mg/l
 Method: OECD Test Guideline 202
 Information source: Internal study report

Chronic toxicity to fish

Proquinazid : Early Life-Stage/NOEC/Oncorhynchus mykiss (rainbow trout): 0.0030 mg/l
 Information source: Internal study report

Chronic toxicity to aquatic Invertebrates

Proquinazid : NOEC/Daphnia magna (Water flea): 0.0018 mg/l
 Information source: Internal study report

Soil Ecotoxicity

Toxicity to soil dwelling organisms

Proquinazid : LC50/14 d/Eisenia fetida (earthworms): > 1,000 mg/kg

Terrestrial Vertebrate and Invertebrate Ecotoxicity

Talendo® fungicide : LD50/Colinus virginianus (Bobwhite quail): > 2,250 mg/kg

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LD50/Anas platyrhynchos (Mallard duck): > 2,000 mg/kg

Persistence and degradabilityTalendo[®] fungicide : Not readily biodegradable. Estimation based on data obtained on active ingredient.**Bioaccumulation**Talendo[®] fungicide : Does not bioaccumulate. Estimation based on data obtained on active ingredient.**Mobility in soil**

No information available.

Other adverse effectsTalendo[®] fungicide : See product label for additional application instructions relating to environmental precautions.**13. DISPOSAL CONSIDERATIONS****Waste disposal methods** : Triple or preferably pressure rinse containers before disposal. Add rinsing's 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. Empty containers and product should not be burnt.**Contaminated packaging** : Do not re-use empty containers.**14. TRANSPORT INFORMATION****Classification for ROAD and Rail transport:**UN number : 3082
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Proquinazid)
Transport hazard class : 9
Packing group : III**Classification for SEA transport (IMO-IMDG):**UN number : 3082
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Proquinazid)
Transport hazard class : 9
Packing group : III
Marine pollutant : yes**Classification for AIR transport (IATA/ICAO):**UN number : 3082
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Proquinazid)
Transport hazard class : 9
Packing group : III

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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

NZ EPA New Zealand Approval Code (HSNO): HSR100543
ACVM Approval Number: P008381

16. OTHER INFORMATION

References

SDS Number: 130000000506

Revision Date/Version

Date of first preparation : 24.09.2015
Revision Date : 13.01.2020
Version : 0.0

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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READ SAFETY DIRECTIONS BEFORE OPENING OR USING

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.