

# SAFETY DATA SHEET



## Curzate® Fungicide

Version 0.0

Document no. 130000013486

Revision Date 24.12.2019

Issue Date 24.12.2019

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** : Curzate® Fungicide

**Other names** : B10923139  
DPX-T3217 60WG

**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](mailto: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:**

6.1D : Acute toxicity (Oral)  
6.3B : Skin irritation  
6.5B : Skin sensitisation  
6.9B : Specific Target Organ Toxicity (thymus, respiratory system)  
9.1B : Toxic to aquatic life with long lasting effects  
9.3C : Harmful to terrestrial vertebrates

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

**Label content**

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Pictogram

:



Signal word

: Warning

Hazardous warnings

: Harmful if swallowed.  
 Causes mild skin irritation.  
 May cause an allergic skin reaction.  
 May cause damage to organs through prolonged or repeated exposure. (thymus)  
 Toxic to aquatic life with long lasting effects.  
 Harmful to terrestrial vertebrates.

Precautionary statements

: Do not breathe dust/ fumes/ vapours / spray.  
 Wear protective gloves.  
 Wash skin thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Avoid release to the environment.  
 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
 Get medical advice/ attention if you feel unwell  
 IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation or rash occurs: Get medical advice/ attention.  
 Specific treatment (see supplemental first aid instructions on this label).  
 Rinse mouth.  
 Wash contaminated clothing before re-use.  
 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
Cymoxanil	57966-95-7	60 %
Other ingredients		40%

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**4. FIRST AID MEASURES**

Never give anything by mouth to an unconscious person.  
Contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor if you feel unwell.

- Inhalation** : Move to fresh air. If person is not breathing, call 111 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
- Skin contact** : Take off all contaminated clothing immediately. Wash off 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** : 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 (CO<sub>2</sub>)
- 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** : Control Runoff. 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.  
Evacuate personnel and keep upwind of fire.  
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** : 2Z

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**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures** : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment. Use personal protective equipment.
- Environmental precautions** : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and cleaning up** : Clean-up methods - small spillage: Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Clean-up methods - large spillage: Avoid dust formation. Knock down dust with water spray jet. Contain spillage. Pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).  
If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up.
- 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. Avoid breathing dust or spray mist. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash hands and face before breaks and after work.
- Precautions for safe handling** : Keep away from heat and sources of ignition. Avoid dust formation in confined areas. During processing, dust may form explosive mixture in air.

**Storage**

- Suitable storage conditions** : Keep out of the reach of children. Store in original container. Keep container tightly closed. Keep locked up. Store in a cool, dry place. Do not store with feed, seeds or foodstuffs.

**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.

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**Personal protective equipment**

Respiratory protection : None specified.

Hand protection : Material: Waterproof gloves  
See skin and body protection

Eye protection : Safety goggles

Skin protection : When mixing or applying wear waterproof gloves, safety goggles, hat, overalls,  
footwear (shoes, boots).**Hygiene measures** : Avoid contact with the skin and the eyes. Avoid breathing dust or spray mist.  
When using do not eat, drink or smoke. Wash hands and face before breaks and  
after work.**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance (Physical state, form, colour, etc.)**Physical state : Solid  
Form : Solid, granules  
Colour : Brown**Odour** : Very faint**Odour Threshold** : No information available.**pH** : No information available.**Melting point/freezing point**

No information available.

**Initial boiling point and boiling range**

No information available.

**Flash point** : No information available.**Evaporation rate** : No information available.**Flammability (solid, gas)** : The product is not 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**Bulk density : 650 kg/m<sup>3</sup> packed**Solubility(ies)**

Water solubility : Dispersible

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

**Auto-ignition temperature**  
No information available.

**Decomposition temperature** : No information available.

**Viscosity**  
Viscosity, kinematic : No information available.

**Molecular weight** : No information available.

**Oxidizing properties** : 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.

**Conditions to avoid** : None reasonably foreseeable.

**Materials to avoid** : No materials to be especially mentioned.

**Hazardous decomposition products** : No materials to be especially mentioned.

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Oral

Curzate® fungicide : LD50/Rat: 433 mg/kg

Inhalation

Cymoxanil : LC50/4 h/Rat(dust/mist): > 5.06 mg/l

Dermal

Cymoxanil : LD50/Rabbit: > 5,000 mg/kg  
The substance or mixture has no acute dermal toxicity

#### Skin corrosion/irritation

Curzate® fungicide : Species: Rabbit  
Result: slight irritation  
Minimal effects that do not meet the threshold for classification.

#### Serious eye damage/eye irritation

Cymoxanil : Species: Rabbit

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Result: No eye irritation  
Classification: No eye irritation

**Respiratory or skin sensitisation**

Curzate® fungicide : Species: Guinea pig  
Result: May cause sensitisation by skin contact.

**Germ cell mutagenicity**

Cymoxanil : Animal testing did not show any mutagenic effects. Evidence suggests this substance does not cause genetic damage in cultured bacterial cells. Tests on mammalian cell cultures showed mutagenic effects.

**Carcinogenicity**

Cymoxanil : Not classifiable as a human carcinogen.  
Did not show carcinogenic effects in animal experiments.

**Reproductive toxicity**

Cymoxanil : Reproductive toxicity: No toxicity to reproduction  
Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

**Specific Target Organ Toxicity**

Specific target organ toxicity - single exposure

Cymoxanil : The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity - repeated exposure

Cymoxanil : Likely route of exposure: Ingestion  
Target Organs: thymus  
The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

**Aspiration hazard**

Cymoxanil : No aspiration toxicity classification

**Other**

Cymoxanil : Repeated dose toxicity: The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.  
Oral/multiple species: Altered blood chemistry. No effect to neurotoxicity.  
Oral - feed/Dog 90 d: Target Organs: thymus: Thymus effects

**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Acute and prolonged toxicity to fish

Curzate® fungicide : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 35 mg/l  
Method: OECD Test Guideline 203  
Information source: Internal study report  
LC50/96 h/Lepomis macrochirus (Bluegill sunfish): 29 mg/l

Toxicity to aquatic plants

Curzate® fungicide : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): > 10 mg/l  
Method: OECD Test Guideline 201  
Information source: Internal study report

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**Acute toxicity to aquatic invertebrates**

Curzate® fungicide : EC50/48 h/Daphnia magna (Water flea): 10.7 mg/l  
Method: OECD Test Guideline 202  
Information source: Internal study report

**Chronic toxicity to fish**

Cymoxanil : NOEC/21 d/Oncorhynchus mykiss (rainbow trout): 0.22 mg/l

**Chronic toxicity to aquatic Invertebrates**

Cymoxanil : NOEC/21 d/Daphnia magna (Water flea): 0.067 mg/l  
Information source: Internal study report

**Persistence and degradability**

Curzate® fungicide : Not readily biodegradable. Estimation based on data obtained on active ingredient.

**Bioaccumulation**

Curzate® fungicide : Does not bioaccumulate. Estimation based on data obtained on active ingredient.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods** : In accordance with local and national regulations. Ensure container is empty.

**Contaminated packaging** : Triple rinse containers. Add rinsing's to spray tank. If not recycling, burn if circumstances permit otherwise bury in an approved landfill. Do not re-use empty containers. Dispose of this product only by using according to this label. Dispose of in accordance with local regulations.



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### 14. TRANSPORT INFORMATION

#### Classification for ROAD and Rail transport:

UN number : 3077  
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)  
Transport hazard class : 9  
Packing group : III

#### Classification for SEA transport (IMO-IMDG):

UN number : 3077  
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)  
Transport hazard class : 9  
Packing group : III  
Marine pollutant : yes

#### Classification for AIR transport (IATA/ICAO):

UN number : 3077  
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)  
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

**NZ EPA New Zealand Approval Code (HSNO):** HSR100415

**ACVM Approval Number:** P008334

### 16. OTHER INFORMATION

#### References

SDS Number: 130000013486

#### Revision Date/Version

Date of first preparation : 29.10.2015  
Revision Date : 24.12.2019  
Version : 0.0

Take notice of the directions of use on the label.

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