



DuPont™ Curzate® 60DF Fungicide

Version 2.1

Revision Date 03/23/2017

Ref. 130000013486

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

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DuPont™ Curzate® 60DF Fungicide
Tradename/Synonym : B10923139
DPX-T3217 60WG

SDS Number : 130000013486

Product Use : Fungicide

Manufacturer : E.I. du Pont Canada Company
P.O. Box 2200, Streetsville
Mississauga, ON
L5M 2H3
Canada

Product Information : 1-800-387-2122
Medical Emergency : 1-800-441-3637 (24 hours)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Warning

MAY BE FATAL IF SWALLOWED. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Potential Health Effects

This section includes potential acute adverse effects which could occur if this material is not used according to the label.

Skin

Cymoxanil : May cause: Irritation with discomfort or pain, redness or rash, itching or swelling.

Eyes


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Cymoxanil : May cause: Eye irritation, tearing, Pain, Blurred vision.

Inhalation
Cymoxanil : Exposure may result in reddening, tears and itching of the eyes and soreness in the nose and throat, together with coughing.

Ingestion
Cymoxanil : May cause: altered blood chemistry, Central nervous system depression, dizziness, confusion, incoordination, drowsiness, or unconsciousness, Liver effects.

Carcinogenicity

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Cymoxanil	57966-95-7	60 %
Other Ingredients		40 %

SECTION 4. FIRST AID MEASURES

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.



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- Inhalation : Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
- Ingestion : If swallowed, call a poison control centre or doctor immediately. 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. Do not give anything by mouth to an unconscious person.
- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-800-441-3637. See Label for Additional Precautions and Directions for Use.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
- Unsuitable extinguishing media : High volume water jet, (contamination risk)
- Firefighting Instructions : Wear full protective clothing and self-contained breathing apparatus. Evacuate personnel and keep upwind of fire. Control Runoff. (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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.
- Spill Cleanup : Sweep up and shovel into suitable containers for disposal.
- Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Never return spills in original containers for re-use. Dispose of in accordance with local regulations.



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SECTION 7. HANDLING AND STORAGE

- Handling (Personnel) : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove personal protective equipment immediately after handling this product.
- Handling (Physical Aspects) : Keep away from heat and sources of ignition.
- Storage : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Keep container closed when not in use. Store in original container. Keep out of the reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Personal protective equipment
 - Skin and body protection : Applicators and other handlers must wear:
 - Long sleeved shirt and long pants
 - Shoes plus socks
 - PPE required for early entry to treated areas that is permitted in accordance with Provincial and Territorial management programs, and that involves contact with anything that has been treated, such as plants, soil, or water, is:
 - Coveralls worn over long-sleeved shirt and long pants
 - Chemical resistant gloves made of any waterproof material
 - Shoes plus socks
- Protective measures : Use this product in accordance with its label. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. 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. During aerial application, human flaggers must be in enclosed cabs.

Exposure Guidelines
Exposure Limit Values

Cymoxanil			
AEL *	(DuPont)	2 mg/m3	15 minute TWA

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* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: solid, granules
Color	: brown
Odor	: very faint
Water solubility	: dispersible

SECTION 10. STABILITY AND REACTIVITY

Stability	: Stable at normal temperatures and storage conditions.
Conditions to avoid	: None reasonably foreseeable.
Incompatibility	: No materials to be especially mentioned.
Hazardous reactions	: Polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

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Inhalation 4 h LC50	: > 5.0 mg/l , Rat
Dermal LD50	: > 5,000 mg/kg , Rat
Oral LD50	: 433 mg/kg , Rat
Skin irritation	: slight irritation, Rabbit
Eye irritation	: slight irritation, Rabbit
Sensitisation	: May cause sensitisation by skin contact., Guinea pig

Cymoxanil



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- Repeated dose toxicity : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
- Oral
multiple species
- Target Organs: Blood, thymus
altered blood chemistry, No effect to neurotoxicity.
- Oral - feed
Dog
90 d
Target Organs: thymus
Thymus effects
- Carcinogenicity : Not classifiable as a human carcinogen.
Did not show carcinogenic effects in animal experiments.
- 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.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

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- 96 h LC50 : Oncorhynchus mykiss (rainbow trout) 35 mg/l OECD Test Guideline 203
Information source: Internal study report (Data on the product itself)
- 96 h LC50 : Lepomis macrochirus (Bluegill sunfish) 29 mg/l
- 48 h EC50 : Daphnia magna (Water flea) 10.7 mg/l OECD Test Guideline 202
Information source: Internal study report (Data on the product itself)

Cymoxanil

- 72 h ErC50 : Pseudokirchneriella subcapitata (green algae) 2.39 mg/l OECD Test


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Guideline 201

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

21 d : NOEC Daphnia magna (Water flea) 0.067 mg/l

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal : Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container disposal: : Container Refilling and Disposal:
Refer to the product label for instructions.
Do not transport if this container is damaged or leaking.

SECTION 14. TRANSPORT INFORMATION

IATA_C	UN number	: 3077
	Proper shipping name	: Environmentally hazardous substance, solid, n.o.s. (Cymoxanil)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9MI
IMDG	UN number	: 3077
	Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9

Not regulated by DOT/49 CFR unless shipped in bulk package or by water.

Not regulated by TDG when transported solely on land by road or railway vehicle.

Marine Pollutants assigned UN number 3077 and 3082 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, IATA special provision A197, and ADR/RID special provision 375.

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SECTION 15. REGULATORY INFORMATION

EPA Reg. No. : 352-592
In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

PCP Registration # : 26284
Remarks : Regulated under the Pest Control Products Act - WHMIS exempt.

SECTION 16. OTHER INFORMATION

MSDS preparation date : 03/23/2017

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Contact person : E.I. DuPont Canada Company, Mississauga, Ontario, L5M 2H3

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