

Lumisena™ Fungicide Seed Treatment

Version 3.0

Issue Date : 04/05/2019 Ref. 130000146676
Revision Date : 04/01/2019

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 : Lumisena™ Fungicide Seed Treatment
 Tradename/Synonym : DPX-QGU42 200 FS
 B13170861
 Oxathiapiprolin: 1-(4-{4-[(5RS)-5-(2,6-difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl]-1,3-thiazol-2-yl}-1-piperidyl)-2-[5- methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone

SDS Number : 130000146676

Product Use : Fungicide, Seed Treatment
 Manufacturer : Production Agriscience Canada Company
 P.O. Box 730, 7398 Queen's Line
 Chatham, Ontario
 N7M 5L1
 Canada

Product Information : 1-800-667-3852
 Medical Emergency : 1-800-441-3637 (24 hours)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview
 It is not expected that accidental overexposure to this product would lead to serious illness or mortality.

Potential Health 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

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Oxathiapiprolin	1003318-67-9	18.7 %
Other Ingredients		81.3 %

SECTION 4. FIRST AID MEASURES

- Skin contact : The material is not likely to be hazardous by skin contact, but cleaning the skin after use is advisable. Consult a physician if necessary.
- Eye contact : The material is not likely to be hazardous by eye contact, but flushing the eye if contact occurs is advisable. Consult a physician if necessary.
- Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Ingestion : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

SECTION 5. FIREFIGHTING MEASURES

- Flammable Properties
- Flash point : > 95 °C (> 203 °F)
Method : closed cup
- Auto-ignition temperature : 491 °C (916 °F)
- Lower explosion limit/ Lower flammability limit : Not available for this mixture.
- Upper explosion limit/ upper flammability limit : Not available for this mixture.
- Thermal decomposition : Not available for this mixture.
- Suitable extinguishing media : Water spray, Dry chemical, Foam, Carbon dioxide (CO₂)

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- Unsuitable extinguishing media : High volume water jet, (contamination risk)
- Firefighting Instructions : Wear full protective clothing and self-contained breathing apparatus. (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 : 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.
- 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.

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 clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Handling (Physical Aspects) : Keep away from heat and sources of ignition.
- Storage : 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 container closed when not in use. Observe label precautions. Keep out of the reach of children.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Skin and body protection : Mixers, loaders, applicators and other handlers must wear:
Long sleeved shirt and long pants
Shoes plus socks

Protective measures : 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. Use this product in accordance with its label.

Exposure Guidelines

Exposure Limit Values

Oxathiapiprolin			
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Color : white, opaque
Odor : characteristic

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pH : 6.7 at 10 g/l
Method: CIPAC MT 75.3
Boiling point/boiling range : Not available for this mixture.
Oxidizing Substance : The product is not oxidizing.
Vapour Pressure : Not available for this mixture.
Specific gravity : 1.0697
Water solubility : dispersible
Partition coefficient: n-
octanol/water : Not applicable
Viscosity : 20 - 345 mPa.s at 20 °C (68 °F)

SECTION 10. STABILITY AND REACTIVITY

Stability : Stable at normal temperatures and storage conditions.
Conditions to avoid : Avoid extreme heat. Protect from frost.
Hazardous decomposition products : No materials to be especially mentioned.
Hazardous reactions : No dangerous reaction known under conditions of normal use.
Polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

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Inhalation 4 h LC50 : > 5.05 mg/l , Rat
(Data on the product itself)
Information source: Internal study report

Dermal LD50 : > 5,000 mg/kg , Rat
(Data on the product itself)
Information source: Internal study report

Oral LD50 : > 5,000 mg/kg , Rat
(Data on the product itself)
Information source: Internal study report

Skin irritation : No skin irritation, Rabbit
(Data on the product itself) Information source: Internal study report

Eye irritation : No eye irritation, Rabbit
(Data on the product itself) Information source: Internal study report

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Sensitisation : Animal test did not cause sensitization by skin contact., Guinea pig
(Data on the product itself) Information source: Internal study report

Oxathiapiprolin

Repeated dose toxicity : Oral
Rat

No toxicologically significant effects were found.

Oral
Dog

No toxicologically significant effects were found.

Oral
Mouse

No toxicologically significant effects were found.

Carcinogenicity : Animal testing did not show any carcinogenic effects.

Reproductive toxicity : No toxicity to reproduction
Slight delays in maturation observed in rats.

Teratogenicity : Animal testing showed no developmental toxicity.

SECTION 12. ECOLOGICAL INFORMATION**Aquatic Toxicity****Lumisena™ Fungicide Seed Treatment**

96 h static test LC50 : Oncorhynchus mykiss (rainbow trout) > 170 mg/l OECD Test
Guideline 203
(Data on the product itself)
Information source: Internal study report

72 h static test ErC50 : Pseudokirchneriella subcapitata (green algae) > 100 mg/l OECD Test
Guideline 201
(Data on the product itself)
Information source: Internal study report

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48 h static test EC50 : Daphnia magna (Water flea) > 10 mg/l OECD Test Guideline 202
(Data on the product itself)
Information source: Internal study report

Oxathiapiprolin
32 d flow-through test : NOEC Americamysis bahia (mysid shrimp) 0.058 mg/l
Information source: Internal study report

Additional ecological information : Environmental Hazards: For Terrestrial Uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

Additional ecological information : Environmental Hazards: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

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: : Refer to the product label for instructions.
Do not transport if this container is damaged or leaking.
In the event of a major spill, fire or other emergency, call 1-800-441-3637 day or night.

SECTION 14. TRANSPORT INFORMATION

IATA_C UN number : 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Oxathiapiprolin)
Class : 9
Packing group : III
Labelling No. : 9

Material Safety Data Sheet



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IMDG UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (Oxathiapiprolin)
Class : 9
Packing group : III
Labelling No. : 9
Marine pollutant : yes (Oxathiapiprolin)

Not regulated as a hazardous material by TDG.

SECTION 15. REGULATORY INFORMATION

PCP Registration # : 33001
Remarks : No substances are subject to a Significant New Activity Notification.

SECTION 16. OTHER INFORMATION

MSDS preparation date : 04/01/2019

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Contact person : Production Agriscience Canada Company, Chatham, Ontario, N7M 5L1

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