

**DuPont™ Lumivia™ Insecticide Seed Treatment**

Version 2.0

Revision Date 08/31/2016

Ref. 130000110079

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™ Lumivia™ Insecticide Seed Treatment  
Tradename/Synonym : DuPont™ Dermacor® X-101 Field Corn Seed Treatment  
DuPont™ Dermacor® M Insecticide (Mexico)  
DPX-E2Y45 50 FS  
Dermacor® X-101  
Chlorantraniliprole: 3-Bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-  
carboxamide  
50% Chlorantraniliprole FS

SDS Number : 130000110079

Product Use : Insecticide  
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**

## Potential Health Effects

## Eyes

Chlorantraniliprole : May cause: transient irritation with discomfort

## 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.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Chlorantraniliprole	500008-45-7	50 %
Other Ingredients		50 %

**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 : No specific intervention is indicated as the compound is not likely to be hazardous. If in eyes, rinse with water for 15 minutes. 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.  
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**

- Flammable Properties
- Flash point : No flash up to boiling point.
- Auto-ignition temperature : > 600 °C (> 1112 °F)



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- Fire and Explosion Hazard : The product is not flammable.
- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
- Unsuitable extinguishing media : High volume water jet, (contamination risk)
- Firefighting Instructions : Wear self-contained breathing apparatus and protective suit. (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. Control Runoff.

**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. Wear 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. Follow applicable Federal, State/Provincial and Local laws/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.
- Handling (Physical Aspects) : The product is not flammable.
- Storage : Do not contaminate water, other pesticides, fertilizer, food or feed in storage.



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Store product in original container only in a location inaccessible to children and pets. Store in a cool, dry place. Do not store in or around the home. Keep out of the reach of children.

Storage temperature : > 0 °C (> 32 °F)

**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  
 Applicators and other handlers of the diluted material must wear: shirt, pants, socks and shoes.  
 PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:  
 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.

Exposure Guidelines  
 Exposure Limit Values

Chlorantraniliprole			
AEL *	(DuPont)	10 mg/m3	8 & 12 hr. TWA Total dust.
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA Respirable dust.

\* 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**

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Form : viscous liquid  
Color : white  
Odor : slight  
pH : 4 - 9 at 10 g/l  
Oxidizing Substance : The product is not oxidizing.  
Density : 1.23 - 1.27 g/cm<sup>3</sup>  
Water solubility : dispersible  
Viscosity : not determined

**SECTION 10. STABILITY AND REACTIVITY**

Stability : Stable at normal temperatures and storage conditions.  
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 : > 4.1 mg/l , Rat  
Dermal LD50 : > 5,000 mg/kg , Rat  
Oral LD50 : > 5,000 mg/kg , Rat  
Skin irritation : No skin irritation, Rabbit  
Eye irritation : No eye irritation, Rabbit  
Sensitisation : Animal test did not cause sensitization by skin contact., mice

Chlorantraniliprole

Repeated dose toxicity : Oral  
multiple species

No toxicologically significant effects were found.

Dermal  
Rat



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No toxicologically significant effects were found.

- Carcinogenicity : Animal testing did not show any carcinogenic effects. Not classifiable as a human carcinogen.
- Mutagenicity : Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- Reproductive toxicity : No toxicity to reproduction. Animal testing showed no reproductive toxicity.
- Teratogenicity : Animal testing showed no developmental toxicity.

**SECTION 12. ECOLOGICAL INFORMATION**

Aquatic Toxicity

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- 96 h LC50 : Danio rerio (zebra fish) > 7.74 mg/l
- 72 h ErC50 : Pseudokirchneriella subcapitata (green algae) > 7.06 mg/l
- 48 h EC50 : Daphnia magna (Water flea) 0.0139 mg/l

Additional ecological information : Environmental Hazards: Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. See product label for additional application instructions relating to environmental precautions.

**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. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.
- Container disposal: : Refer to the product label for instructions. Do not transport if this container is damaged or leaking.

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**SECTION 14. TRANSPORT INFORMATION**

IATA_C	UN number	: 3082
	Proper shipping name	: Environmentally hazardous substance, liquid, n.o.s. (Chlorantraniliprole)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9MI
IMDG	UN number	: 3082
	Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorantraniliprole)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9

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

**SECTION 15. REGULATORY INFORMATION**

EPA Reg. No.	: 352-841
	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 #	: 32154
Remarks	: Regulated under the Pest Control Products Act - WHMIS exempt.



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**SECTION 16. OTHER INFORMATION**

MSDS preparation date : 08/31/2016

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

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