

**DuPont™ Exirel™ Insecticide**

Version 2.1

Revision Date 03/27/2017

Ref. 130000133497

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™ Exirel™ Insecticide  
Tradename/Synonym : B13111659

SDS Number : 130000133497

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  
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
Cyantraniliprole	736994-63-1	10.2 %


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Other Ingredients		89.8 %
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**SECTION 4. FIRST AID MEASURES**

- Skin contact** : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- 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.
- 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** : Call a poison control center or doctor for treatment advice. 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.

**SECTION 5. FIREFIGHTING MEASURES**

- Flammable Properties**
- Flash point : No flash up to boiling point.
- Auto-ignition temperature : 358 °C (676 °F)
- Fire and Explosion Hazard** : The product is not flammable.
- Suitable extinguishing media** : Water spray, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media** : High volume water jet, (contamination risk)

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Firefighting Instructions : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.  
(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. 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.

Handling (Physical Aspects) : The product is not flammable.

Storage : Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home. Keep out of the reach of children.

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



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**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  
 Chemical-resistant gloves, Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all greater than or equal to 14 mils  
 Applicators and other handlers of the diluted material must wear: shirt, pants, socks and shoes.  
 Personal protective equipment required for early entry:  
 Coveralls  
 Shoes plus socks  
 Chemical-resistant gloves, Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all greater than or equal to 14 mils

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

Cyantraniliprole			
AEL *	(DuPont)	3 mg/m3	8 hr. TWA
AEL *	(DuPont)	2 mg/m3	12 hr. TWA

\* 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 : liquid  
 Color : off-white  
 Odor : mild, phenol-like  
 pH : 5.6 at 10 g/l


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Melting point/range : Not available for this mixture.  
 Boiling point/boiling range : 97 °C (207 °F)  
 Bulk density : 0.9 - 1.1 g/cm<sup>3</sup>  
 Water solubility : emulsifiable

**SECTION 10. STABILITY AND REACTIVITY**

Stability : Stable at normal temperatures and storage conditions.  
 Conditions to avoid : Protect from frost.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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Inhalation 4 h LC50 : > 2.4 mg/l , Rat  
 Dermal LD50 : > 5,000 mg/kg , Rat  
 Oral LD50 : > 5,000 mg/kg , multiple species  
 Skin irritation : Irritating to skin., Rabbit  
 Eye irritation : No eye irritation, Rabbit  
 Minimal effects that do not meet the threshold for classification.  
 Sensitisation : May cause sensitisation by skin contact., Guinea pig

Cyantraniliprole

Repeated dose toxicity : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.  
 Oral  
 Rat  
 28 - 90 d  
 Thyroid effects, Organ weight changes, No effect to neurotoxicity.  
 Dermal  
 Rat  
 28 d



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No toxicologically significant effects were found.

Oral  
Mouse  
90 d

No toxicologically significant effects were found.

Oral  
Dog  
90 d

altered blood chemistry, Liver effects, Vascular arteritis

Oral  
multiple species  
28 d

Immune System, No toxicologically significant effects were found.

Oral  
Rat  
14 d

No toxicologically significant effects were found.

Oral  
Dog  
365 d

Liver effects, Gallbladder effects, altered blood chemistry, Vascular arteritis

Inhalation  
Rat  
28 d

No toxicologically significant effects were found.

Carcinogenicity : Not classifiable as a human carcinogen.  
Animal testing did not show any carcinogenic effects.

Reproductive toxicity : No toxicity to reproduction  
Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.


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**SECTION 12. ECOLOGICAL INFORMATION**
**Aquatic Toxicity**

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48 h EC50 : Daphnia magna (Water flea) 0.232 mg/l

**Cyantraniliprole**

96 h LC50 : Oncorhynchus mykiss (rainbow trout) &gt; 12.6 mg/l

96 h LC50 : Lepomis macrochirus (Bluegill sunfish) &gt; 13 mg/l

72 h ErC50 : Pseudokirchneriella subcapitata (green algae) &gt; 13 mg/l

7 d ErC50 : Lemna gibba (duckweed) &gt; 12.1 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. Toxic to bees. Do not apply this product if bees are visiting the treatment area. See product label for additional application instructions relating to environmental precautions.

Additional ecological information : This product is toxic to non-target plants.

**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.  
 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



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

Not regulated as a hazardous material by DOT.  
 Not regulated as a hazardous material by TDG.

**SECTION 15. REGULATORY INFORMATION**

PCP Registration # : 30895  
 Remarks : Regulated under the Pest Control Products Act - WHMIS exempt.

**SECTION 16. OTHER INFORMATION**

MSDS preparation date : 03/27/2017

™ Trademark of E.I. du Pont de Nemours and Company.

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

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 guidance for safe handling, use, processing, storage,





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transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Significant change from previous version is denoted with a double bar.