

Material Safety Data Sheet



DuPont™ Coragen® insecticide

Version 2.0

Revision Date 03/22/2011

Ref. 130000027866

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™ Coragen® insecticide
Tradename/Synonym	:	Rynaxypyr SC Coragen SC Rynaxypyr 20SC DPX-E2Y45 20SC DPX-E2Y45 SC B12498745 CHLORANTRANILIPROLE: 3-Bromo-N-[4-chloro-2-methyl-6- [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H -pyrazole-5-carboxamide
MSDS Number	:	130000027866
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

Emergency Overview

This product has no known adverse effect on human health.

This product is toxic to: Aquatic invertebrates

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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
Chlorantraniliprole	500008-45-7	18.4 %
Other Ingredients		81.6 %

SECTION 4. FIRST AID MEASURES

- Skin contact : The material is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.
- Eye contact : No specific intervention is indicated as the compound is not likely to be hazardous. In case of eye contact: Immediately flush eye(s) with plenty of water. 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.

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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. FIRE-FIGHTING MEASURES

Flammable Properties

Flash point : 100 °C (212 °F)

Thermal decomposition : Not available for this mixture.

Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet, (contamination risk)

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

Spill Cleanup : Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.

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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.

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)

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : Use only with adequate ventilation.

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

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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

Form : semi-viscous liquid
Color : white
Odor : alcohol-like
pH : 7.8 at 10 g/l
Boiling point/boiling range : Not available for this mixture.
Vapour Pressure : Not available for this mixture.
Specific Gravity : 1.094
Solubility(ies) : slightly soluble
Viscosity : 583 mPa.s



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SECTION 10. STABILITY AND REACTIVITY

- Stability : Stable at normal temperatures and storage conditions.
- Incompatibility : No materials to be especially mentioned.
- Hazardous decomposition products : Nitrogen oxides, carbon monoxide and unidentified organic compounds may be formed upon combustion.
- Hazardous reactions : Polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

- DuPont™ Coragen® insecticide
- Inhalation 4 h LC50 : > 2 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., mouse
- Chlorantraniliprole
- Repeated dose toxicity : Oral - feed
multiple species
No toxicologically significant effects were found.



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Dermal
rat
No toxicologically significant effects were found.

Carcinogenicity : Animal testing did not show any carcinogenic effects.

Mutagenicity : Did not cause genetic damage in animals.
Did not cause genetic damage in cultured mammalian cells.
Did not cause genetic damage in cultured bacterial cells.

Reproductive toxicity : 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 : Lepomis macrochirus (Bluegill sunfish) > 9.9 mg/l

48 h EC50 : Daphnia magna (Water flea) 35 ug product/L

Chlorantraniliprole

72 h ErC50 : Pseudokirchneriella subcapitata (green algae) > 2 mg/l

Toxicity to other organisms

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LD50 : Colinus virginianus (Bobwhite quail) > 2,000 mg/kg

2 d LD50 : Apis mellifera (bees) > 0.1141 mg/kg
Oral

2 d LD50 : Apis mellifera (bees) > 0.100 mg/kg
Contact

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Chlorantraniliprole		
LD50	:	Colinus virginianus (Bobwhite quail) > 2,250 mg/kg
8 d LC50	:	Colinus virginianus (Bobwhite quail) > 5,620 mg/kg Dietary
8 d LC50	:	Anas platyrhynchos (Mallard duck) > 5,620 mg/kg Dietary
48 h LD50	:	Apis mellifera (bees) > 104 ug/bee Oral
48 h LD50	:	Apis mellifera (bees) > 4 ug/bee Contact
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.
Container Disposal	:	Refer to the product label for instructions. Do not transport if this container is damaged or leaking.

SECTION 14. TRANSPORT INFORMATION

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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
	Marine pollutant	: yes (Chlorantraniliprole)

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

SECTION 15. REGULATORY INFORMATION

PCP Registration #	: 28982
Remarks	: Regulated under the Pest Control Products Act - WHMIS exempt.

SECTION 16. OTHER INFORMATION

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MSDS preparation date : 03/22/2011

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