



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont
Material Safety Data Sheet

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"DuPont" "Coragen" Insect Control
M0000668 Revised 17-APR-2008

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"Coragen" is a registered trademark of DuPont.

"DuPont", "Rynaxypyr" are trademarks of DuPont.

Tradenames and Synonyms

"DuPont" "Coragen" Insecticide
"Coragen" SC
"Rynaxypyr" SC
"Rynaxypyr" 20SC
DPX-E2Y45 20SC
DPX-E2Y45 SC
Chlorantraniliprole

Company Identification

MANUFACTURER/DISTRIBUTOR

DuPont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS

Product Information : 1-800-441-7515 (outside the U.S.
302-774-1000)
Transport Emergency : CHEMTREC 1-800-424-9300(outside U.S.
703-527-3887)
Medical Emergency : 1-800-441-3637 (outside the U.S.
302-774-1000)

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
CHLORANTRANILIPROLE	500008-45-7	18.4
3-Bromo-N-[4-chloro-2-methyl-6-[(methylamino) carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide		
OTHER INGREDIENTS		81.6

HAZARDS IDENTIFICATION

Emergency Overview

When used as directed, this product does not present a hazard to humans or domestic animals.

Potential Health Effects

DuPont Coragen may cause transient eye irritation with tearing, pain or blurred vision.

Carcinogenicity Information

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

FIRST AID MEASURES

First Aid

IF ON SKIN: The material is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.

IF IN EYES: The material is not likely to be hazardous to the eyes, but if contact occurs, flushing the eyes with plenty of water is advisable. Consult a physician if necessary.

IF INHALED: No specific intervention is indicated as the material is not likely to be hazardous by inhalation. Consult a physician if necessary.

IF SWALLOWED: No specific intervention is indicated as the material is not likely to be hazardous by ingestion. Consult a physician if necessary.

For questions regarding emergency medical treatment, you may contact 1-800-441-3637 for information.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point : >100 C (>212 F)

Not a fire or explosion hazard.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

(FIRE FIGHTING MEASURES - Continued)

Fire Fighting Instructions

If area is exposed to fire and conditions permit, let fire burn itself out. Burning chemicals may produce by-products more toxic than the original material. If product is on fire, wear self-contained breathing apparatus and full protective equipment. Use water spray. Control runoff.

Cool tank/container with water spray.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

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

Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus.

Initial Containment

Prevent material from entering sewers, waterways, or low areas. Follow applicable Federal, State/Provincial and Local laws/regulations.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container. Do not allow to contaminate ground or surface water systems.

If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.

HANDLING AND STORAGE

Handling (Personnel)

USER SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Storage

Do not contaminate water, food or feed by storage or disposal. Store above 32 F (0 C) Store product in original container only. Store in a cool, dry place. Do not store in or around the home.

Store in a location inaccessible to children and pets.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Keep container tightly closed. Use only with adequate ventilation.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.

After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

For early entry into 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, wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.

Exposure Guidelines

Applicable Exposure Limits

CHLORANTRANILIPROLE

AEL * (DuPont) : 10 mg/m³, 8 & 12 Hr. TWA, total dust
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.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Form : Semi-Viscous Liquid.
Color : White.
Odor : (mild), Alcohol.
pH : 7.8
Viscosity : 583 cps @ 30-rpm
Density : 1.094 g/mL 20 C (68 F)

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Nitrogen oxides, carbon monoxide and unidentified organic compounds may be formed upon combustion.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

DuPont Coragen

Dermal LD50: > 5000 mg/kg in rats
Oral LD50: > 5000 mg/kg in rats
Inhalation LC50: > 2.0 mg/L in rats

DuPont Coragen is not a skin or eye irritant and is not a skin sensitizer in animals.

CHLORANTRANILIPROLE

There were no adverse effects in subchronic feeding studies in rats, mice or dogs. There was a decreased body weight gain at high doses in a 28-day feeding study in mice and in a 28 day dermal study in rats.

Animal testing indicates Chlorantraniliprole Technical (DPX-E2Y45) did not have carcinogenic, neurological, developmental or reproductive effects.

Tests have shown that Chlorantraniliprole Technical (DPX-E2Y45) did not cause genetic damage in bacterial or mammalian cell cultures, or in animals.

ECOLOGICAL INFORMATION

Ecotoxicological Information

DuPont Coragen

96 hour LC50 - Rainbow trout: > 9.9 mg product/L
(2.16 mg a.i./L)

96 hour LC50 - Bluegill sunfish: > 9.9 mg product/L
(1.84 mg a.i./L)

48 hour EC50 - Daphnia magna: 35 ug product/L
(7.1 ug a.i./L)

Acute Oral LD50 - Bobwhite Quail: > 2000 mg a.i./kg
Acute Dietary LC50 - Bobwhite Quail: > 5620 ppm a.i.

48 hr Oral LD50 - Honey bee: > 114 ug a.i./bee

48 hr Contact LD50 - Honey bee: > 100 ug a.i./bee

DISPOSAL CONSIDERATIONS

Waste Disposal

Do not contaminate water supply, food or feed by storage or disposal.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

ENVIRONMENTAL HAZARDS:

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to inter-tidal areas below the mean high water mark. Do not contaminate water when disposing of equipment rinsate. Do not apply where/when conditions could favor runoff. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

Container Disposal

For Plastic Containers: Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For Metal Containers (non aerosol): Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

TRANSPORTATION INFORMATION

Shipping Information

DOT: Not Regulated by 49 CFR (DOT) unless transported by water or in a bulk packaging. See IMO/IMDG shipping description.

IMO/IMDG:

UN Number : 3082
Proper Shipping Name : Environmentally hazardous
substances, liquid, n.o.s.
(Chlorantraniliprole)
Hazard Class : 9
Packing Group : III
Marine Pollutant : Yes
Reportable Quantity : No

IATA: Not regulated by IATA

REGULATORY INFORMATION

U.S. Federal Regulations

In the United States this product is regulated by the US Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act. It is a violation of federal law to use this product in a manner inconsistent with its labeling.

OTHER INFORMATION

NFPA, NPCA-HMIS

NFPA Rating
Health : 1
Flammability : 1
Reactivity : 0

NPCA-HMIS Rating
Health : 1
Flammability : 1
Reactivity : 0

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS: DuPont Crop Protection
Address : Wilmington, DE 19898
Telephone : 1-888-638-7668

(Continued)

Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS