

**Coragen® Insect Control**

Version 1.0

Revision Date 02/01/2018

Ref. 130000027866

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	:	Coragen® Insect Control
Tradename/Synonym	:	Coragen SC Coragen 20 SC Coragen 200SC Coragen Insecticide Coragen Insect Control with Proxel Coragen Insect Control with Acticide DPX-E2Y45 SC DPX-E2Y45 20SC Rynaxypyr 20SC Rynaxypyr SC Premio 20 SC CHLORANTRANILIPROLE: 3-Bromo-N-[4-chloro-2-methyl-6- [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H -pyrazole-5- carboxamide Premio 20SC CHLORANTRANILIPROLE 200SC
Product Use	:	Insecticide
Restrictions on use	:	Do not use product for anything outside of the above specified uses
Manufacturer/Supplier	:	FMC Corporation 2929 Walnut Street Philadelphia, PA 19104 (215) 299-6000 (General Information) msdsinfo@fmc.com (E-Mail General Information)
Medical Emergency	:	1 800 / 331-3148 (U.S.A. & Canada) 1 651 / 632-6793 (All Other Countries - Collect)
For leak, fire, spill or accident emergencies, call:	:	1 800 / 424 9300 (CHEMTREC - U.S.A.) 1 703 / 741-5970 (CHEMTREC - International) 1 703 / 527 3887 (CHEMTREC - Alternate)

**SECTION 2. HAZARDS IDENTIFICATION**

Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

**Coragen® Insect Control**

Version 1.0

Revision Date 02/01/2018

Ref. 130000027866

Other hazards  
No applicable data available.

**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**

- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
See Section 1 for emergency phone numbers. See Label for Additional Precautions and Directions for Use.
- Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Skin contact : The material is not likely to be hazardous by skin contact, but cleaning the skin after use is advisable.
- 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.
- Ingestion : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Most important symptoms/effects, acute and delayed : No applicable data available.
- Protection of first-aiders : No applicable data available.
- Notes to physician : No applicable data available.

**Coragen® Insect Control**

Version 1.0

Revision Date 02/01/2018

Ref. 130000027866

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet, (contamination risk)
- Specific hazards : The product is not flammable.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.
- Further information : (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 to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear suitable protective equipment.
- Environmental precautions : Prevent material from entering sewers, waterways, or low areas.
- 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 : 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,

**Coragen® Insect Control**

Version 1.0

Revision Date 02/01/2018

Ref. 130000027866

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.
- Dust explosion class : No applicable data available.
- Storage : Store in original container. Keep containers tightly closed in a cool, well-ventilated place. 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 period : No applicable data available.
- 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.  
Personal protective equipment required for early entry:  
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 *	(FMC)	10 mg/m <sup>3</sup>	8 & 12 hr. TWA Total dust.
AEL *	(FMC)	5 mg/m <sup>3</sup>	8 & 12 hr. TWA Respirable dust.

\* AEL is FMC's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are

**Coragen® Insect Control**

Version 1.0

Revision Date 02/01/2018

Ref. 130000027866

lower than the AEL are in effect, such limits shall take precedence.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

## Appearance

Physical state : liquid  
Form : liquid, suspension  
Color : white

Odor : alcohol-like

Odor threshold : No applicable data available.

pH : 5 - 9 at 10 g/l

Melting point/range : No applicable data available.

Boiling point/boiling range : No applicable data available.

Flash point : No flash up to boiling point.

Evaporation rate : No applicable data available.

Flammability (solid, gas) : The product is not flammable.

Upper explosion limit : No applicable data available.

Lower explosion limit : No applicable data available.

Vapour Pressure : No applicable data available.

Vapour density : No applicable data available.

Specific gravity (Relative density) : 1.08 - 1.10

Water solubility : No applicable data available.

Solubility(ies) : slightly soluble

Partition coefficient: n-octanol/water : No applicable data available.

Auto-ignition temperature : No applicable data available.

**Coragen® Insect Control**

Version 1.0

Revision Date 02/01/2018

Ref. 130000027866

Decomposition temperature : No applicable data available.

Viscosity, kinematic : No applicable data available.

Viscosity, dynamic : Not available for this mixture.

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No applicable data available.

Chemical stability : Stable at normal temperatures and storage conditions.

Possibility of hazardous reactions : Polymerization will not occur.

Conditions to avoid : No applicable data available.

Incompatible materials : No materials to be especially mentioned.

Hazardous decomposition products : Nitrogen oxides, carbon monoxide and unidentified organic compounds may be formed upon combustion.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Coragen® Insect Control

Inhalation 4 h LC50 : &gt; 2 mg/l , Rat

Dermal LD50 : &gt; 5,000 mg/kg , Rat

Oral LD50 : &gt; 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

**Carcinogenicity**

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

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.

**Coragen® Insect Control**

Version 1.0

Revision Date 02/01/2018

Ref. 130000027866

**SECTION 12. ECOLOGICAL INFORMATION**

## Aquatic Toxicity

Coragen® Insect Control	
96 h LC50	: Lepomis macrochirus (Bluegill sunfish) > 9.9 mg/l
72 h ErC50	: Pseudokirchneriella subcapitata (green algae) > 20 mg/l
48 h EC50	: Daphnia magna (Water flea) 0.035 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 methods - Product	: 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.
Waste disposal methods - Container	: Refer to the product label for instructions. Do not transport if this container is damaged or leaking.  See Section 1 for emergency phone numbers.
Contaminated packaging	: No applicable data available.

**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

**Coragen® Insect Control**

Version 1.0

Revision Date 02/01/2018

Ref. 130000027866

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

Marine Pollutants assigned UN number 3077 and 3082 in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code, IATA special provision A197, and ADR/RID special provision 375.

This material is not a hazardous material as defined by U.S. Department of Transportation 49 CFR Parts 100 through 185, unless shipped in bulk packaging. The classification above pertains to the shipment in bulk packaging [( $>119$  gal, liquid) or (882 lb, solid)].

**SECTION 15. REGULATORY INFORMATION**

Other regulations	: This Safety Data Sheet is for a pesticide product registered by the US Environmental Protection Agency (USEPA) and is therefore also subject to certain labeling requirements under US pesticide law (FIFRA). These requirements differ from the classification criteria and hazard information required by OSHA for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the mandatory hazard information required by USEPA on the pesticide label:  This product has no known adverse effect on human health.
SARA 313 Regulated Chemical(s)	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
EPA	: 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.

**SECTION 16. OTHER INFORMATION**



**Coragen® Insect Control**

Version 1.0

Revision Date 02/01/2018

Ref. 130000027866

## NFPA

Health	:	1
Flammability	:	1
Reactivity/Physical hazard	:	0

® Registered trademark of FMC Corporation.

Revision Date : 02/01/2018

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. Use of this product is regulated by the U.S. Environmental Protection Agency (EPA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Further, since the conditions and methods of use are beyond the control of FMC Corporation, FMC corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.