

SAFETY DATA SHEET
CORAGEN 20 SC

SDS # : 130000027866-MX-A

Revision date: 2018-05-07

Format: MX

Version 1



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name CORAGEN 20 SC

Other means of identification

Product Code(s) 130000027866-MX-A

Synonyms CHLORANTRANILIPROLE:
3-bromo-N-[4-chloro-2-methyl-6-(methylcarbamoyl)phenyl]-1-(3-chloropyridin-2-yl)-1H-pyrazole-5-carboxamide;
3-bromo-4'-chloro-1-(3-chloro-2-pyridyl)-2'-methyl-6'-(methylcarbamoyl)pyrazole-5-carboxanilide (IUPAC name);
3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CAS name)

Active Ingredient(s) Chlorantraniliprole

Formula $C_{18}H_{14}BrCl_2N_5O_2$ (Chlorantraniliprole)

Chemical Family Diamide

Recommended use of the chemical and restrictions on use

Recommended Use: Insecticide

Restrictions on Use: Use as recommended by the label.

Supplier Address

Supplier (Mexico) FMC Agroquímica de México, S. de R.L. de C.V.
Av. Vallarta No. 6503, Local A1-6, Col. Cd. Granja, 45010 Zapopan, Jalisco, México.
Telephone number: 01 800 FMC AGRO (362 2476)

Distributor FMC Agroquímica de México, S. de R.L. de C.V.

Emergency telephone number In case of intoxication call emergency numbers SINTOX (poison control center):
01-800-00-928-00; 01 (55) 5611 2634 and 01 (55) 5598 6659, 24 hour service 365 days a year.

For emergencies: 911

Mexico Information

Federal Transport Police 062

Fire brigade 068

Red Cross 065

Civil Protection 01 800 004 1300

PROFEPA = Attorney General for 01 800 776 3372

Environmental Protection

SETIQ [Emergency Transportation In Mexico City and the Metropolitan area: 01 (55) 5559 1588

System for the Chemical Industry] From anywhere in the Mexican Republic: 01 800 002 1400 (24 hour)

In case of spills call COTRA 045 55 4194 0157
(Committee on Transport and
Storage):
Green Angels (if there are injured 078
people)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Not classified

Hazard Statements

None

Precautionary Statements - Prevention

None

Precautionary Statements - Response

None

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family Diamide.

Chemical name	CAS-No	Weight %
Chlorantraniliprole	500008-45-7	18.4

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

Eye Contact

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin Contact

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

Inhalation	Move to fresh air. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not induce vomiting or give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	No data available.
Indication of immediate medical attention and special treatment needed, if necessary	Treatment is symptomatic and supportive. In case of intoxication call emergency numbers SINTOX (poison control center): 01-800-00-928-00; 01 (55) 5611 2634 and 01 (55) 5598 6659, 24 hour service 365 days a year. For emergencies: 911.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Carbon dioxide (CO ₂). Foam. Dry chemical. Water spray. Avoid heavy hose streams. Contain all runoff.
Small Fire	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.
Specific Hazards Arising from the Chemical	Not flammable
Hazardous Combustion Products	Nitrogen oxides (NO _x). Carbon monoxide. Unidentified organic compounds may be formed upon combustion.
Explosion data	
Sensitivity to Mechanical Impact	No information available.
Sensitivity to Static Discharge	No information available.
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate upwind.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Identify the substance from a safe place. Do not inhale, do not touch and do not walk through spilled material. Isolate the area to ensure sufficient breadth to individuals and to facilitate the work control and cleaning. Keep away from unauthorized personnel. Call the emergency phones COTRA (Committee on Transport and Storage) 045 55 4194 0157 and wait for help. Stay upwind and out of low areas. Always have a fire extinguisher available, preferably dry chemical (PQS).
Other	For further cleaning instructions call COTRA (COMMITTEE ON TRANSPORT AND STORAGE) 045 55 4194 0157.
Environmental Precautions	Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains. Keep out of waterways.
Methods for Containment	Wear the full Personal Protection Equipment, avoiding inhalation or contact with skin or eyes. Dike to contain spill with inert material which is absorbent and non-combustible (clay, sand or soil). Then soak up with absorbent material inward from the edges.
Methods for cleaning up	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. Wash hands before eating, drinking, chewing gum, using tobacco, or using toilet. Remove and wash contaminated clothing before re-use.
Storage	Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container. Do not contaminate other materials, or allow this material to be contaminated, by improper storage or handling. Store above 0°C.
Incompatible products	No materials to be especially mentioned

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Appropriate engineering controls**

Engineering measures	Apply technical measures to comply with the occupational exposure limits (if listed above). When working in confined spaces (tanks, containers, etc.), make sure there is an adequate source of air for breathing and wear the recommended equipment. Ventilate all transport vehicles prior to discharge.
-----------------------------	--

Individual protection measures, such as personal protective equipment

Eye/Face Protection	For dust, splash, mist or spray exposure, wear chemical protective goggles.
Skin and Body Protection	Use coveralls or long-sleeved uniform and head covering. For large exposures as in case of a spill, use barrier suit covering the entire body, such as a waterproof PVC suit. Leather items, including shoes, belts and watchbands, that have been contaminated should be removed and destroyed. Wash all work clothing before reuse (separately from clothing commonly used).
Hand Protection	Use protective gloves made of chemical materials such as nitrile or neoprene. Wash the outside of gloves with soap and water before reuse. Check regularly for leaks.
Respiratory Protection	For dust, splash, mist or spray exposures wear a filtering mask.
Hygiene measures	Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.
General information	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance	Liquid suspension
Physical State	Liquid
Color	White
Odor	Alcohol
Odor threshold	No information available

pH	5 - 9 @ 10 g/L
Melting point/freezing point	No information available
Boiling Point/Range	No information available
Flash point	No flash up to boiling point
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Density	No information available
Specific gravity	1.08 - 1.10
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Molecular weight	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity	None under normal use conditions
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Frost
Incompatible materials	No materials to be especially mentioned.
Hazardous Decomposition Products	See Section 5 for more information.

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral	> 5000 mg/kg (rat)
LD50 Dermal	> 5000 mg/kg (rat)
LC50 Inhalation	> 2 mg/L (rat) 4 hr
Serious eye damage/eye irritation	Non-irritating (rabbit).
Skin corrosion/irritation	Non-irritating (rabbit).
Sensitization	Did not cause sensitization on laboratory animals

Information on toxicological effects

Symptoms	No information available.
----------	---------------------------

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity	No information available
Mutagenicity	Chlorantraniliprole: Not mutagenic
Carcinogenicity	Chlorantraniliprole: No evidence of carcinogenicity from animal studies.
Reproductive toxicity	Chlorantraniliprole: No toxicity to reproduction in animal studies.
Teratogenicity	Chlorantraniliprole: Not teratogenic in animal studies.
STOT - single exposure	Not classified.

STOT - repeated exposure
Aspiration hazard

Not classified.
 No information available.

Chemical name	ACGIH	IARC	NTP	OSHA
Chlorantraniliprole 500008-45-7		Group 2A		

Legend:

IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

12. ECOLOGICAL INFORMATION

Ecotoxicity

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.

Aquatic Toxicity: Coragen® 20 SC

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

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in Sections 7 and 8, must be worn while handling materials for waste disposal.

Contaminated Packaging Containers should be disposed of in accordance with local, state and federal regulations. For removal of the package see the instructions on the label. Handle empty containers and waste product as established in the General Law for the Prevention and Management of Waste Regulations or Management Plan Pesticides Empty Containers, Registered by SEMARNAT. For further information on the Management plan, visit <http://campolimpio.org.mx/>.

14. TRANSPORT INFORMATION

DOT Not applicable

MEX

UN/ID no	UN3082
Proper Shipping Name	Liquid substance potentially dangerous to the environment, n.o.s.
Hazard class	9
Marine Pollutant	Chlorantraniliprole
Packing Group	III
Description	UN3082, Liquid substance potentially dangerous to the environment, n.o.s. (chlorantraniliprole), 9, III, Marine pollutant

Special Provisions

Do not transport or store near food products, clothing, or animal feedstuff

15. REGULATORY INFORMATION

This safety data sheet (SDS) has been prepared for use in Mexico only. See the end of this section for specific Mexico information. All other information in this section is not applicable to Mexico, but is being provided for informational purposes only.

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

FIFRA Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

This product has no known adverse effect on human health.

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**International Inventories**

Mexico Information

This document has been prepared in accordance with the GHS (Globally Harmonized System). The document consists of 16 points which cover the official Mexican Regulation NOM-018-STPS-2015 Harmonized System for the identification and communication of hazards and risks of dangerous chemical substances, which found in the workplace. 271000.

COFEPRIS [Federal Commission for the Protection Against Sanitary Risks] Register:

RSCO-INAC-0104A-301-026-018

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 0	Instability 0	Special Hazards -
HMIS	Health Hazards 1	Flammability 0	Physical hazard 0	Personal Protection X

NFPA/HMIS Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Revision date: 2018-05-07
Reason for revision: Initial Release

Disclaimer

Disclaimer of Warranties - FMC Agroquímica of Mexico, S. de R.L. de C.V. The information and recommendations contained herein (including data and statements) are accurate as of the current date. THERE ARE NO WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTIES OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED AS TO THE INFORMATION PROVIDED HERE. The information provided herein relates only to the specific product and may not be applicable when such product is used in combination with other materials or in any process. Use of this product is regulated by FEDERAL COMMISSION FOR PROTECTION HEALTH HAZARDS (COFEPRIS). Use of this product in a manner inconsistent with its labeling constitutes a violation of federal law. Further, since the conditions and methods of use are beyond the control of FMC Agroquímica de México, S. de R.L. de C.V., expressly disclaims any recognized legal responsibility for results obtained or generated from any use of the product or related this information.

Prepared By:

FMC Corporation

FMC Logo - Trademark of FMC Corporation

© 2018 FMC Corporation. All Rights Reserved.

End of Safety Data Sheet