

SAFETY DATA SHEET



Coragen® 200SC

Version 1.0

Revision Date 2018.01.03

Document no. 130000027866

The SDS adheres to the standards and regulatory requirements of China and may not meet the regulatory requirements in other countries.

Section 1 - Chemical and Enterprise Identification

Product name : Coragen® 200SC

Product name in English : Coragen® 200SC

Other names : 康宽, Coragen or E2Y45 200SC

Recommended use of the chemical and restriction on use

Recommended use : Insecticide

Manufacturer or supplier's details

Company : FMC Corporation

Street address : 2929 Walnut Street, Philadelphia, PA 19104

E-Mail : msdsinfo@fmc.com

Telephone : 86 21 20675888

Telefax : 86 21 20675858

Emergency telephone number : 86 532 8388 9090

Date of first preparation : 2018.01.03

Section 2 - Hazard Identification

GHS Hazard Category

Acute aquatic toxicity : Category 1

Chronic aquatic toxicity : Category 1

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

Label content

Pictogram :



Signal word : Warning

Hazardous warnings : Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Preventive Measures:**
Avoid release to the environment.

Accident Response:

Collect spillage.

Safe Storage: No precautionary statements are applicable for Safe Storage.

Waste Disposal:

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Dispose of contents/ container to an approved waste disposal plant.

Main Symptom After Contact

No information available.

Section 3 - Ingredients/Composition Information**Chemical nature** : Mixture**Components**

Chemical Name	CAS-No.	Concentration
Chlorantraniliprole	500008-45-7	18.4 %
Other Ingredients		81.6 %

Section 4 - First-aid Measures

Never give anything by mouth to an unconscious person.

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 information available.**Protection of first-aiders** : No information available.**Notes to physician** : No information available.**Section 5 - Fire-fighting Measures****Suitable extinguishing media** : Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)**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.**Specific extinguishing methods** : No information available.

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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 - Leak Emergency Treatment

Protective measures, devices and emergency treatment procedure for workers : 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.

Methods and materials for containment and cleaning up : 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.

Prevention of secondary hazards : No information available.

Additional advice : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

Section 7 - Operation Handling and Storage

Operation Handling

Technical measures/Precautions : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

Precautions for safe handling : The product is not flammable.

Storage

Suitable storage conditions : 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 period: Storage temperature: > 0 °C

Section 8 - Exposure Control and Personal Protection

Control parameters

Chemical Name	Occupational Exposure Limits	Regulation
Acetonitrile		
TWA	30 mg/m ³	GBZ 2.1
	Can be absorbed through skin.	GBZ 2.1
	Can be absorbed through skin.	US ACGIH
TWA	20 ppm	US ACGIH
Butanone		

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STEL	600 mg/m3	GBZ 2.1
TWA	300 mg/m3	GBZ 2.1
STEL	300 ppm	US ACGIH
TWA	200 ppm	US ACGIH
Butanone		
STEL	600 mg/m3	GBZ 2.1
TWA	300 mg/m3	GBZ 2.1
STEL	300 ppm	US ACGIH
TWA	200 ppm	US ACGIH

Engineering controls : Use only with adequate ventilation.

Biological occupational exposure limits : No information available.

Personal protective equipment

- Respiratory protection : Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.
- Hand protection : Material: Protective gloves
- Eye protection : Wear protective eyewear to prevent contact with this substance.
- Skin protection : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.

Hygiene measures : 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.

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.

Section 9 - Physical and Chemical Properties**Appearance (Physical state, form, colour, etc.)**

- Physical state : liquid
- Form : liquid, suspension
- Colour : white

Odour : alcohol-like

Odour Threshold : No information available.

pH : 5 - 11

Melting point/freezing point

No information available.

Boiling point, initial boiling point and boiling range

No information available.

Flash point : No flash up to boiling point.

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Evaporation rate : No information available.**Flammability (solid, gas)** : The product is not flammable.**Upper/lower flammability or explosive limits**

Upper explosion limit : No information available.

Lower explosion limit : No information available.

Vapour pressure : No information available.**Vapour density** : No information available.**Density**Specific gravity : 1.08 - 1.10
(Relative density)**Solubility(ies)**

Water solubility : No information available.

Solubility in other solvents : slightly soluble

Partition coefficient: n-octanol/water : No information available.**Auto-ignition temperature**

No information available.

Decomposition temperature : No information available.**Viscosity**

Viscosity, kinematic : No information available.

Molecular weight : No information available.**Section 10 - Stability and Reactivity****Reactivity** : No information available.**Chemical stability** : Stable at normal temperatures and storage conditions.**Possibility of hazardous reactions** : Polymerization will not occur.**Conditions to avoid** : No information available.**Materials to avoid** : 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****Acute toxicity**

Oral

Coragen® 200SC : LD50/Rat: > 5,000 mg/kg

Inhalation

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Coragen® 200SC	: LC50/4 h/Rat(dust/mist): > 2 mg/l The substance or mixture has no acute inhalation toxicity
Dermal Coragen® 200SC	: LD50/Rat: > 5,000 mg/kg
Skin corrosion/irritation Coragen® 200SC	: Species: Rabbit Result: No skin irritation
Serious eye damage/eye irritation Coragen® 200SC	: Species: Rabbit Result: No eye irritation
Respiratory or skin sensitisation Coragen® 200SC	: Species: mice Result: Animal test did not cause sensitization by skin contact.
Germ cell mutagenicity Chlorantraniliprole	: Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Carcinogenicity Chlorantraniliprole	: Animal testing did not show any carcinogenic effects. Not classifiable as a human carcinogen.
Reproductive toxicity Chlorantraniliprole	: Reproductive toxicity: No toxicity to reproduction Animal testing showed no reproductive toxicity. Teratogenicity: Animal testing showed no developmental toxicity.
Specific Target Organ Toxicity	
Specific target organ toxicity - repeated exposure Coragen® 200SC	: Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.
Aspiration hazard No information available.	
Other Chlorantraniliprole	: Repeated dose toxicity: Oral/multiple species No toxicologically significant effects were found. Dermal/Rat No toxicologically significant effects were found.

Section 12 - Ecological Information

Ecotoxicity effects

Acute and prolonged toxicity to fish

Coragen® 200SC : LC50/96 h/Lepomis macrochirus (Bluegill sunfish): 15.1 mg/l

Toxicity to aquatic plants

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Coragen® 200SC : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): > 20 mg/l

Acute toxicity to aquatic invertebrates

Coragen® 200SC : EC50/48 h/Daphnia magna (Water flea): 0.035 mg/l

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

Coragen® 200SC : 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 - Waste Disposal

Waste disposal methods : 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. Refer to the product label for instructions. Do not transport if this container is damaged or leaking.

Contaminated packaging : Dispose of in accordance with local regulations.

Section 14 - Transport Information

China Dangerous Goods Regulation

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Chlorantraniliprole)
Class : 9
Packing group : III

IMDG

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Chlorantraniliprole)
Class : 9
Packing group : III
Marine pollutant : yes (Chlorantraniliprole)

IATA

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Chlorantraniliprole)
Class : 9
Packing group : III

Matters needing attention for transportation : Not applicable

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Section 15 - Regulatory Information

Regulations on the Control over the Safety of Dangerous Chemicals
Production Safety Law of the People's Republic of China
Law of the People's Republic of China on Prevention and Treatment of Occupational Disease
Environmental Protection Law of the People's Republic of China
Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution
Marine Environment Protection Law of the People's Republic of China
Fire Protection Law of the People's Republic of China
Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes
Occupational exposure limits for hazardous agents in the workplace Part 1 Chemical hazardous agents (GBZ2.1)
Occupational exposure limits for hazardous agents in the workplace Part 2 Physical agents (GBZ2.2)
General rule for classification and hazard communication of chemicals (GB13690)
Lists of Dangerous Goods (GB12268)
Dangerous goods classification (GB6944)
Common dangerous chemical storage rules (GB15603)
Packaging Symbols of Dangerous Goods (GB190)
National Hazardous Waste Inventory

Section 16 - Other Information**References**

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

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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.