



Hebei Veyong Bio-Chemical Co.,Ltd.

No.6, Middle Huagong Road, Circulation Chemical Industry Park, Shijiazhuang City, Hebei, China
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MATERIAL SAFETY DATA SHEET FOR

Emamectin Benzoate 5%SG

Section 1 - Chemical Product and Company Identification

Product Name: Megaclaim (Emamectin Benzoate 5%SG)

Use: Insecticide

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Section 2 - Composition, Information on Ingredients

Active ingredient: Emamectin Benzoate

Chemical Name	CAS#	Content
Emamectin Benzoate	155569-91-8	5%
Other inert		95%

Section 3 - Hazards Identification

Symptoms of Acute Exposure: - Causes severe eye irritation. Irritating to skin. Inhalation can cause irritation to the respiratory tract. Ingestion results in central nervous system effects. Vapors may cause drowsiness and dizziness. May decompose at high temperature forming toxic gases

Hazard pictograms



Signal Word: Danger

Hazard statements

H302 Harmful if swallowed

H313 May be harmful in contact with skin

H315 Causes skin irritation

H319 Causes serious eye irritation

H333 May be harmful if inhaled

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects



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Section 4 - First Aid Measures

Ingestion: Do not give anything liquid to the person. Do not induce vomiting. Call a physician. Do not give anything by mouth to an unconscious person.

Skin: Wash off skin immediately with plenty of soap and water for 15-20 minutes.

Take off all contaminated clothing immediately. Call a physician.

Inhalation: Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician.

Eye irritation: Rinse immediately with plenty of water and also under the eyelids for at least 15 minutes. Seek medical attention if irritation persists.

Section 5 - Fire Fighting Measures

Suitable extinguishing media: Extinguishing media-Small fires Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media-Large fires Alcohol resistant foam or water spray. Extinguishing media which shall not be used for safety reasons: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards during firefighting: As the entire product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion. Exposure to decomposition products may be hazardous to health.

Special protective equipment for fire fighters: Wear full protective clothing and self-contained breathing apparatus.

Further Information: Do not allow run-off from firefighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

Section 6 - Accidental Release Measures

Personal precautions: Avoid dust formation. Environmental Precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations. Do not create a powder cloud by using or compressed air. Clean contaminated surface thoroughly. Additional Information If the product contaminates rivers and lakes or drains inform respective authorities.

Section 7 - Handling and Storage

Safe handling: No special protective measures against fire required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke.



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Storage: Keep containers tightly closed. Store in a cool dry and well ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: If air borne dust is generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep air borne levels below relevant exposure limit.

Protective measures: The use of technical measures should always have apriority over the use of personal protective equipment.

Respiratory Protection: A particulate filter respiration may be necessary until effective technical measures are installed. Protection provided by air-purifying respirators is limited. Use a self-contaminated breathing apparatus in case of emergency spills,

when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

Hand protection: Chemical resistant gloves should be used. Gloves should be certified to an appropriate standard. Gloves should have a minimum breakthrough time that is appropriate to the duration of exposure. The breakthrough time of gloves varies according to the thickness, material and manufacturer. Gloves should be changed when breakthrough is suspected. Suitable material: Nitrile rubber.

Eye/Face: Eye protection is not usually required. Follow any site specific eye protection policies.

Skin and body protection: Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation/penetration characteristics of the clothing material. Wash with soap and water after removing protective clothing. Decontaminate clothing before re-use or use disposable equipment (suits, aprons, sleeves, boots etc.). Wear as appropriate: Dust impervious Protective suit.

Section 9 - Physical and Chemical Properties

Color:milk white

Odor: no obvious pungent smell

Physical state: granular solid

Section 10 - Stability and Reactivity

Stability: Stable under normal conditions.

Hazardous Polymerization: Not known to occur.

Hazardous decomposition: Combustion or thermal decomposition will evolve toxic



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and irritant vapors.

Section 11 - Toxicological Information

Acute Oral Toxicity LD50 (rats) =550 mg/kg

Acute Dermal Toxicity LD50 (Rats) >2000 mg/kg

Acute Inhalation LC50 (rats): > 5.10 mg/L, 4 h

Eye Irritation Rabbit: Mildly irritant

Skin Irritation Rabbit:Mildly irritant

Skin Sensitization Guinea pig : Not a skin sensitizer in animals test

Section 12 - Ecological Information

ELIMINATION INFORMATION (PERSISTENCE AND DEGRADIBILITY)

Bioaccumulation : Emamectin benzoate does not bio accumulate.

Stability in water : Emamectin benzoate is not persistent in water.

Stability in soil : Emamectin benzoate is not persistent in soil.

Mobility : Emamectin benzoate is immobile in soil.

ECOTOXICOLOGY EFFECTS

Daphnia: EC50 (48 h) 0.08 mg/L

Fish: LC50 (96 h) for Carp 6.8 mg/L

Green Algae: EbC50 (72 h) (Selenastrum capricornutum) 28.4 mg/L ErC50 (72 h)

(Selenastrum capricornutum) 157 mg/L

Section 13 - Disposal Considerations

Product: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated Packaging: Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

Section 14 - Transport Information

UN number 3077

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S.

Class and Subsidiary Risk 9

Packing Group III



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Section 15 - Regulatory Information

Hazard Symbol Xn Harmful

N Dangerous for the environment

Special Risks (R-Phrases)

R22 Harmful if swallowed

R 23/25 Toxic by inhalation and if swallowed

R 36 Irritating to eyes

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R50/53 Very toxic to aquatic organism, may cause long

R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Safety Advice (S- Phrases)

S 2 Keep out of the reach of children

S 13 Keep away from the food, drink and animal feedingstuffs

S 20/21 When using do not eat, drink or smoke.

S 35 This material and its container must be disposed of in safe way.

S 36/37 Wear suitable protective clothing and gloves.

S57 Use appropriate container to avoid environmental contamination.

Section 16 - Additional Information

The data in this Material Safety Data Sheet relates only to the specific material designated herein and are based upon data believed to be correct.