

Spinochem Tech Co.Ltd

Add: No 2278,Zhaochong Rd, Shanghai, China.

Material Safety Data Sheet

Emamectin benzoate 5% WDG

Section 1 - Chemical Product and Company Identification

Product Name:

Emamectin benzoate 5% WDG

Company Identification:

Spinochem Tech Co.,Ltd

Add: No.2278, Zhaochong Rd, Shanghai,China

Section 2 - Composition, Information on Ingredients

Component Name	CAS No.	Concentration, %
Emamectin Benzoate	155569-91-8	5.0
Other ingredients	-----	Up to 100

Section 3 - Hazards Identification

Harmful if swallowed.

This material causes irritation following skin contact and can cause serious damage to the eyes.

May cause tingling/numbness in exposed areas (paraesthesia).

Flammable.

Very toxic to aquatic organisms.

Section 4 - First Aid Measures

If you feel unwell, seek medical advice (show the label where possible).

Eye contact: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Skin contact: Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-issue.

Inhalation: Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.

Ingestion: If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting.

Medical advice: Gastric lavage may be effective when performed within 4 hours of

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ingestion.

Aspiration of this material into the lungs should be avoided. Symptomatic treatment and supportive therapy as indicated.

Section 5 - Fire Fighting Measures

Flammable. Keep fire exposed containers cool by spraying with water.

Extinguishing media: For small fires, use foam, carbon dioxide or dry powder extinguishant.

For large fires, use polar-resistant foam or water-fog; avoid use of water jet.

Contain run-off water with, for example, temporary earth barriers.

Protective Equipment: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Section 6 - Accidental Release Measures

Personal precautions: Ensure suitable personal protection during removal of spillages.

This means wearing a face mask that gives protection against organic vapours, eye protection, chemically resistant gloves, boots and coveralls.

Clean-up methods: Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

Wash the spillage area with water.

Washings must be prevented from entering surface water drains.

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

Section 7 - Handling and Storage

HANDLING :- Read the label before use.

Safe handling advice: Avoid contact with skin and eyes. Do not breathe spray.

Avoid inhalation of high concentrations of vapours. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

STORAGE:

Safe storage advice: Keep only in the original container. Keep container tightly closed.

Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

Storage life: Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

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Section 8 - Exposure Controls, Personal Protection

Personal protection: When using this product refer to the label for details.
Occupational exposure limits

Section 9 - Physical and Chemical Properties

Appearance: Light yellow granule

Physical State granule

pH 5.0-8.0

Section 10 - Stability and Reactivity

Hazardous decomposition products: Combustion or thermal decomposition will evolve toxic and irritant vapours.

Section 11 - Toxicological Information

Toxicological Data:

Oral: rat: 82 mg/kg b.w.

Dermal: rat >2000mg/kg

Inhalation: Rat rat >2mg/l

Eye Irritation: Slight-irritating to skin.

Skin Irritation: Slight-irritating to skin.

Skin Sensitization: Not a contact sensitizer in guinea pigs

CHRONIC TOXICOLOGICAL EFFECTS / LONG TERM EXPOSURE

Long Term Exposure: No long term risks to man are associated with the normal handling and use of this material.

Section 12 - Ecological Information

Birds Acute oral LD50 for mallard ducks 46, bobwhite quail 264 mg/kg. Dietary LC50 (8 d) for mallard ducks 570, bobwhite quail 1318 ppm.

Fish LC50 (96 h) for rainbow trout 174, sheepshead minnow 1430ug/l.

Daphnia LC50 0.99ug/l.

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Bees Toxic to bees.

Worms LC50 >1000 mg/kg dry soil.

Other beneficial spp. Safe to a wide range of beneficial insects, due rapid breakdown of the a.i., limiting contact activity to <48 h.

Section 13 - Disposal Considerations

Waste Disposal Method:

Do not contaminate ponds, waterways or ditches with chemical or used containers.

- Surplus material must be disposed of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GCPF, 1987.
- Empty containers should be washed and discarded.
- Empty containers should not be used for other purposes.
- Disposal should be in accordance with local, state or national legislation.

Section 14 - Transport Information

Air transport ICAO/IATA

UN/ID No.: 2882

Class-primary: Non-Flammable solid

UN Pack. Group: III

Proper shipping name : NON_FLAMMABLE SOLID, N.O.S.,

Section 15 - Regulatory Information

Classification: HARMFUL FLAMMABLE

Hazard symbols: Xn

Risk Phrases: (R22) Harmful if swallowed.

(R41) Risk of serious damage to eyes.

(R38) Irritating to skin.

Safety Phrases: (S2) Keep out of the reach of children.

(S13) Keep away from food, drink and animal feeding stuffs.

(S20/21) When using, do not eat, drink or smoke.

(S25) Avoid contact with eyes.

(S26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

(S46) If swallowed, seek medical advice immediately and show this container or label.

Special label: (SO53) Do not re-use container, keep tightly closed in safe place.

- This substance is covered by the EEC Dangerous Substances Directive (CPLRegulations).

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- It has therefore been labelled in accordance with these regulations.
- Users should ensure that they comply with any relevant local, state or national legislation.

Section 16 - Additional Information

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.