

Spinochem Tech Co.Ltd

Add: No 2278,Zhaochong Rd, Shanghai, China

Material Safety Data Sheet

Spirotetramat 100g/L SC

Section 1 - Chemical Product and Company Identification

MSDS Name:

Spirotetramat 100g/L SC

Company Identification:

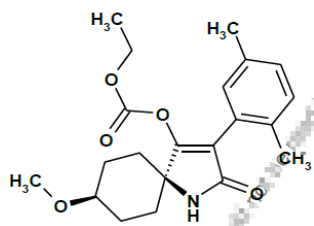
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Section 2 - Composition, Information on Ingredients

Components	CAS Number	(Concentration, g/L)
Spirotetramat	203313-25-1	100
Other ingredients		to 1L

Structural formula:



Molecular formula: C₂₁H₂₇NO₅

Molecular Weight: 373.45

Chemical Abstracts name:

cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl carbonate

IUPAC name:

cis-4-(ethoxycarbonyloxy)-8-methoxy-3-(2,5-xyllyl)-1-azaspiro[4.5]dec-3-en-2-one

Section 3 - Hazards Identification

Harmful

May be harmful if swallowed, inhaled or absorbed through the skin.

May cause skin sensitisation from prolonged skin contact. Avoid skin contact.

May cause organ damage from repeated oral exposure at high doses.

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Very toxic to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.

Very Toxic to the soil environment.

Section 4 - First Aid Measures

Skin contact: Remove contaminated clothing. Wash contaminated skin with soapy water. If skin irritation develops, get medical attention. Wash clothing thoroughly before re-use. Eye contact: Rinse eye(s) with clean running water for 15 mins. Get medical attention.

Ingestion: Rinse mouth. Give water to drink if patient is conscious. DO NOT induce vomiting. If vomiting occurs ensure patient can breathe, then give water to drink. Get medical attention.

Advice to doctor: No specific antidote is known. Treat symptomatically. If vomiting occurs, solvent present may cause pulmonary pneumonitis.

Section 5 - Fire Fighting Measures

Extinguishing Media: Dry chemical, water spray (fog), foam or carbon dioxide.

Thermal Decomposition Products: None.

Special Fire Fighting Methods:

Addition of water may cause excessive foaming. Vapours may be toxic. Self contained

breathing apparatus required. Do not allow contaminated runoff to enter drains.

Unusual Fire or Explosion Hazards: None.

Section 6 - Accidental Release Measures

Use appropriate protective equipment. Clear area of unnecessary personnel. Spills may be slippery and should be cleaned up immediately. Large spill: Dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Minimise runoff into waterways or drains.

Warning this substance is very toxic to aquatic organisms. Avoid contamination of any water supply with this substance or empty container.

Section 7 - Handling and Storage

Handling: Keep away from food, drink, and animal feedstuff.

KEEP OUT OF REACH OF CHILDREN.

Wear suitable Personal protective equipment when handling and spraying.

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Storage: Store in the original container in a dry, cool, ventilated, LOCKED area.

DO NOT store in prolonged sunlight.

DO NOT store with food, seed, or animal feedstuff.

Section 8 - Exposure Controls, Personal Protection

Eye Protection: Chemical goggles or face shield where splash may occur.

Air respirator with organic vapour canister or self-contained breathing apparatus when exposed to vapours from heated material.

Respiratory Protection:

Protective Clothing: PVC-coated gloves. Avoid skin contact.

Ventilation: General (mechanical) room ventilation is considered satisfactory.

Hygiene Precautions: Do not eat drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands before breaks and after work. The use of a skin barrier cream is useful to give additional skin protection.

Section 9 - Physical and Chemical Properties

Appearance: Off white suspension concentrate.

pH: 6.0-9.0

Density: 1.07g/ml at 25°C

Vapour pressure: 0.169 mPa (25°C)

Vapour density: Not applicable.

Solubility: Miscible in water

Section 10 - Stability and Reactivity

Chemical stability: Normally stable. Active may degrade in strong UV light.

Conditions to avoid: Very high or low temperatures.

Materials to avoid: Strong oxidising agents.

Hazardous decomposition products: Oxides of nitrogen and chlorine. Burning with limited oxygen may produce carbon monoxide.

Hazardous reactions: Not known. Does not polymerise.

Section 11 - Toxicological Information

Acute toxicity:

Acute Oral LD50 (rat): > 5000 mg/kg

Acute Dermal LD50 (rabbit): > 2000 mg/kg

4 hr inhalation LC50 (rat): > 5.0 mg/L

Chronic toxicity:

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Possible routes of exposure: Inhalation of spray mist is the most likely cause of exposure.

Range of effects. Excessive exposure may affect human health as follows:

Section 12 - Ecological Information

Aquatic Toxicity: Very toxic to fish.

Soil Toxicity: Very toxic to the soil environment

Terrestrial Vertebrates - Birds: Not toxic to birds.

Terrestrial Invertebrates - Bees: Not toxic to bees.

9.1A; Very Toxic to fish/aquatic organisms with long lasting effects. Avoid contamination of any water supply with this product or empty container.

9.2A; Very toxic to the soil environment. Selective herbicide - very toxic to some plant species (certain plants may be killed or damaged from root uptake of this product).

Section 13 - Disposal Considerations

Product: Whenever possible, product should be used for its intended purpose, even if reclaimed from spillage (reclaimed product must be uncontaminated).

Containers: Whenever possible, follow directions given on container.

If not available, triple or pressure rinse plastic or metal containers before disposal. Recycle containers if possible (replace cap and return clean containers to recycler or designated collection point). Treat rinsings as for product above. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Section 14 - Transport Information

Proper Shipping Name: Environmentally hazardous substance liquid, N.O.S

Hazard Class: 9.

UN Number: 3082

Packing Group: III

Hazchem Code: 2X

Additional Information: Contains Spirotetramat.

Section 15 - Regulatory Information

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Approved Handler

An approved handler is required when the substance is applied: a) In a widely dispersive manner. b) By a commercial contractor. c) Directly onto or into the water.

If an approved handler is present at the facility where the substance is being handled, or the approved handler has provided guidance to the person in respect to the handling of the product and is present at all times a non-approved handler may handle the product. The approved handler can be in contact by the use of a cellphone.

Record Keeping.

Record keeping is required if more than 3 Kg is used within 24 hours in a place where the substance is likely to enter air or water and leave the place. The information must be kept for a minimum of three years.

This product DOES NOT have Tracking Requirements.

Section 16 - Additional Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.