

Tracer* Naturalyte* Insect Control

Not classified as hazardous according to the criteria of the National Occupational Health & Safety Commission (NOHSC).

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Customer Service Toll Free Number: 1800 700 096 (Mon-Fri 8am-5pm EST)
Emergency Telephone Number: 1800 033 882 (24 hours) (EMERGENCIES ONLY)

IDENTIFICATION

Product Name: Tracer Naturalyte Insect Control
Shipping Names: None
Product Code: NAF-85
UN No: None allocated
Hazchem Code: None allocated
Dangerous Goods Class: None allocated
Sub Risk Class: None allocated
Packaging Group: None allocated
Poison Schedule: S5
Uses: For the control of cotton bollworm (*Helicoverpa armigera*) and native budworm (*Helicoverpa punctigera*) as specified on the label. This product contains active ingredients that are naturally derived.

PHYSICAL APPEARANCE & PROPERTIES

Appearance: Off-white liquid
Boiling point: No data, the vapour pressure of the two components are 2.4×10^{-10} mm Hg (Spinosyn A); 1.6×10^{-10} mm Hg (Spinosyn D)
Volatile materials: No specific data
Flashpoint: Does not burn
Specific gravity: 1.09 g/mL at 20°C
Solubility in water: Miscible
Corrosiveness: Not corrosive

INGREDIENTS

Chemical Entity	CAS No.	Proportion
Spinosad technical comprising:		480 g/L
Spinosyn A	131929-60-7	
Spinosyn D	131929-63-0	
Other non hazardous ingredients		< 650 g/L

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HEALTH HAZARD DATA

HEALTH EFFECTS

Acute

Swallowed: The oral LD₅₀ (rat) is above 5000 mg/kg (low toxicity).

Eye: May cause slight, temporary eye irritation.

Skin: LD₅₀ (rabbit) is above 2000 mg/kg (low toxicity). The product may cause slight skin irritation.

Inhaled: The acute inhalation toxicity has not been determined for the product Tracer Naturalyte Insect Control. The acute inhalation toxicity of the active is low, LC₅₀ (rat) is greater than 5180 mg/m³ (very low toxicity).

Chronic Rats and mice administered the active ingredient (spinosad) in long-term carcinogenicity studies showed no increase in tumours when compared to the untreated group. Studies in rats and rabbits indicate that spinosad does not cause birth defects or interfere with reproduction. Spinosad does not cause genetic change and does not accumulate in the body. The ingredients are not listed as carcinogenic in NOHSC's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

PERSONAL PROTECTION AND SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. When preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID

General: Consult The National Poisons Information Centre (Ph: 13 11 26) or a Doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

Swallowed: If swallowed, contact the Poisons Information Centre or a doctor immediately.

Skin: If on skin, remove contaminated clothing and wash skin thoroughly with soap and water.

Eyes: If in eyes, hold eyes open and flood with water for at least 15 minutes and see a doctor.

Inhalation: If affected, remove from contaminated area to fresh air.

Advice

to Doctor: The decision of whether to induce vomiting or not should be made by an attending physician. There is no antidote presently recognised for spinosad. However, due to the low order of oral toxicity of spinosad, one is not likely to be required.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by the National Occupational Health & Safety Commission for any of the major ingredients in this product. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.

ENGINEERING CONTROLS

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

SAFE HANDLING INFORMATION

STORAGE & TRANSPORT

This product is an S5 poison. Observe all relevant regulations regarding sale, transport and storage of this class of product. Store in the closed original container in a dry, cool, well-ventilated area, out of direct sunlight. Do not store near food, feedstuffs, fertilisers or seed.

SPILLS

Wear protective equipment (see PERSONAL PROTECTION). Clear area of all unprotected personnel. Prevent entry of chemical or used/damaged containers into drains, streams or waterways.

Small Spill: Apply absorbent material such as earth, sand or clay granules or cat litter to the spill. Sweep up material for disposal when absorption is complete and contain in a refuse vessel for disposal (See DISPOSAL). If necessary, wash the spill area with an alkali detergent and water and absorb as above the wash liquid for disposal.

Large Spill: Place leaking containers into salvage drums. Apply absorbent material such as earth, sand or cat litter to the spill area. Form a barricade around spill and in front of drains or waterways in spill vicinity, using earth or other available material. Sweep up material and contain in a refuse vessel for disposal (see DISPOSAL). **Contact Emergency Services on 000 immediately and notify Dow AgroSciences Australia Limited on 1800 033 882 (24 hours) or 1800 700 096 (Mon-Fri, 8am to 5pm EST).**

DISPOSAL

Contaminated material must be disposed of in accordance with all State and/or Local regulations.

Small quantities and containers: Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling container, replace cap and return clean containers to recycler or designated collection point. 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.

Large quantities: Contact Dow AgroSciences and seek advice.

FIRE & EXPLOSION HAZARD

Flashpoint: Does not burn.

Flammability limits: Not applicable.

Extinguishing Media: This product does not burn. Use extinguishing media suited to the materials that are burning.

Special Fire Fighting procedures: No special fire fighting clothing is necessary. However, as a minimum, wear safety shoes and overalls

Unusual Fire & Explosion Hazards: This product is unlikely to decompose at temperatures normally achieved in a fire. Likely to decompose only after heating to dryness followed by further strong heating.

Stability: This product is unlikely to spontaneously decompose.

Polymerisation: This product is unlikely to spontaneously polymerise.

Decomposition Products: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Will only decompose after boiling to dryness, then followed by further strong heating.

Materials to avoid: No particular incompatibilities.

OTHER INFORMATION

ECOTOXICITY DATA

Spinosad has shown low toxicity to birds, fish, earthworms, aquatic invertebrates and beneficial insects, while it is toxic to oysters, bees and freshwater / marine diatoms. The potential for bioaccumulation in animal systems is low.

ENVIRONMENTAL FATE

In soils, spinosad is broken down by sunlight and microbial action, with a half-life of between nine to seventeen days. Spinosad is not susceptible to leaching and is thus extremely unlikely to contaminate ground water.

CONTACT POINT

FOR FURTHER PRODUCT INFORMATION CALL DOW AGROSCIENCES CUSTOMER SERVICE REPRESENTATIVES TOLL FREE 1800 700 096 DURING BUSINESS HOURS.

THIS MSDS SUMMARISES 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. THE 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.