PO Box 65 070 Mairangi Bay, Auckland 0754, New Zealand
T: 0800 539 463 | F: 09 917 1793 |
www.keyindustries.co.nz

Safety Data Sheet: NoPests Organic Liquid Ant Bait

1. IDENTIFICATION

Product Name: No Pests Organic Ant Liquid Bait
Other Names:
Recommended Use: Insecticide
Manufacturer: Key Industries Ltd
Address: PO Box 65 070 Mairangi Bay, Auckland 0754
Telephone: 09 917 1791
Emergency Phone: 0800 CHEMCALL (0800 243 622)
National Poisons Centre: 0800 764 766

2. HAZARDS IDENTIFICATION

Signal Word: None

Hazards:
Aquatic Chronic 3
Hazardous to terrestrial invertebrates

Hazard Phrases
Harmful to aquatic life with long lasting effects

Precautionary Phrases:
Read label before use.
Dispose of contents/container in accordance with local/regional/national/international regulations
Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area
Do not apply substance to plants if bees are foraging; or the plants are in flower or part flower
Do not apply directly into or onto water

Pictograms:

3. COMPOSITION: Information on Ingredients

Ingredient	CAS Number	Concentration (%w/w)
Spinosad	173584-44-6	0.025
Balance – Proprietary ingredients of low hazard	Proprietary	To 100%

4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) 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, do not induce vomiting. Obtain medical attention.

Skin Contact
Remove contaminated clothing and shoes and wash skin with plenty of soap and water. DO NOT scrub the skin. Wash clothing before reuse. Seek medical attention if symptoms occur.

Eye Contact
Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses if present and easy to do and continue rinsing. Do NOT allow victim to rub eyes or keep eyes closed. Obtain medical attention if symptoms persist.

Inhalation
Move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

First Aid facilities
Provide eye baths and safety showers close to areas where exposure may occur.
Medical Attention
Treat symptomatically and supportively, monitoring the development of hypersensitivity reactions with respiratory distress. No known antidote. In all cases consult the National Poisons Centre for the most up to date treatment information.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.
Suitable extinguishing media
Water fog, fine spray, foam, dry chemical powder or carbon dioxide. Do not use water stream directly. Cool fire exposed container with water spray.
Hazards from combustion products
Burning chemicals may produce by-products more toxic than the original material.Decomposition from combustion may emit smoke and toxic fumes containing carbon oxides, nitrogen oxides.
Precautions for fire fighters and special protective equipment
Full protective clothing with chemical goggles, butyl or neoprene glovaes and self-contained breathing apparatus

Hazchem Code	**Flash Point**
2Z	>100°C

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment vessel or bunded area. Prevent any vapours or dust from building up in confined areas. Ensure that drain valves are closed at all times. Clean up minor spills immediately.
Methods and materials for containment for a major spill
While a major spill is unlikely due to the small pack size of this product if a major spill were to occur:
Eliminate sources of ignition. Warn occupants of downwind areas of possible hazards. Keep the public away from the area. Prevent product from entering sewers, watercourses, or low-lying areas. Shut off the source of the spill if safe to do so. Advise relevant authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimise the effect on the groundwater. If possible recover product by collecting with a shovel, scraper or other suitable piece of equipment. Collect and seal in properly labelled containers for disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. In all instances due consideration must be given for First Aid Measures (Section 4), PPE requirements (Section 8), Stability and Reactivity (Section 10) for this material.

7. HANDLING AND STORAGE

Precautions for safe handling
Keep out of reach of children. Keep containers closed. Use only in well-ventillated areas. When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before reuse.
Conditions for safe storage
Store in a cool, dry place away from direct sunlight. Keep away from heat and ignition sources. Store in original containers. Protect from physical damage to prevent accidental release. Do not store with food, feedstuffs, fertilizers and seeds.
Incompatible materials
None known.
Fire Extinguisher Requirements
No specific requirements.

8. EXPOSURE CONTROLS: Personal Protection

Exposure Limits
No WES TEL has been set by MBIE for this product or components in it. No EEL has been set for this product by the EPA.

Engineering Controls:
For bulk quantities of this material the use of local exhaust ventilation is recommended to control process emissions near the source. Sufficient ventilation should be provided to keep the solvent in air concentrations below any relevant exposure limit. Provide mechanical ventilation of confined spaces.

Hygiene Controls:
Facilities storing or utilising this material should be equipped with an eyewash facility, safety shower and facility for washing hands/face after work.

Personal Protective Equipment
Respiratory Protection: Respiratory protection shouldn't be necessary under most circumstances, but if desired or large quantities are being applied use a P2 disposable facemask as respiratory protection.
Eye protection: Safety glasses or chemical goggles are recommended when handling large quantities of this product. Contact lenses may absorb and concentrate irritants, glasses are recommended.
Skin/ Body Protection: It is best practice to wear long sleeves and long trousers or coveralls, and enclosed footwear when handling this product, especially in large quantities. It is recommended that chemical resistant gloves (eg nitrile, neoprene) be worn when handling large quantities of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale amber to golden liquid
Odour:	Mild odour
Odour Threshold:	No data available
Boiling Point (°C):	Not applicable
Boiling Point Range	No data available
Melting Point (°C):	Not applicable
Flash Point (°C):	>100
Lower Explosive Limit, LEL (%):	No data available
Upper Explosive Limit, UEL (%):	No data available
SG/ Density, 20°C (g/mL):	No data available
Vapour Pressure, 20°C (kPa):	No data available
Vapour Density:	No data available
Alkalinity/ acidity as pH:	3.5 – 4.5
Solubility in water:	Miscible
Partition Coefficient (Kow):	Log P 4.1 (spinosad active ingredient)
Auto-ignition Temperature (°C):	No data available
Decomposition Temperature (°C):	No data available
Kinematic Viscosity:	No data available

The values listed are indicative of this product's physical and chemical properties. Data is not available for any properties not listed above.

10. STABILITY AND REACTIVITY

Chemical stability
Stable at room temperature and pressure.

Hazardous decomposition products
Decomposition from combustion may emit smoke fumes containing carbon oxides, and nitrogen oxides.

Specific Materials to Avoid
Strong acids, alkalis, oxidising agents, reducing agents and heat.

Hazardous Polymerisation
Not known to occur.

11. TOXICOLOGICAL INFORMATION

Acute Effects
Ingestion: Low toxicity if swallowed. Exposure to large quantities of active ingredient may result in such nonspecific symptoms as headache, dizziness, weakness, and nause. Impaired mobility and tremors have been observed in laboratory studies.
Ingestion of small amounts is unlikey to cause permanent injury. Contact a doctor immediately if ingested.
Eye Contact: The liquid may cause transient eye irritation. Avoid eye contact
Skin Contact: No known effects. Avoid skin contact.
Inhalation: The vapour/mist from inhaling large quantities may be discomforting to the upper respiratory tract and lungs. Acute effects from inhalation of high vapour concentrations may cause effects similar to that of ingestion.
Chronic Effects
Prolonged or repeated exposure to extremely large quanities of the active ingredient may result in central nervous system effects such as tremors, uncoordination and disorientation. Persons with pre-existing conditions are advised to limit or avoid product contact.
Other Health Effects Information
Not Available.

Toxicological Information
Oral LD_{50}: 3700 mg/kg (rat), spinosad active ingredient; >1,900,000 mg/kg (product, estimated)

12. ECOLOGICAL INFORMATION

Ecotoxicity
This product is harmful to the environment. See hazard classifications in section 15 of this document. No specific ecological data available on this product.
Persistence/ Biodegradability: This substance (spinosad) is regarded as non-bioaccumulative and non persistant.
Mobility: This product is not readily soluble with water limiting its mobility in the environment. This product is likely to have low mobility in the environment and low leaching potential
Aquatic Toxicity:
Fish toxicity LC_{50}: 4.99 mg/L; spinosad active ingredient
Daphnia Magna EC_{50}: 92.7 mg/L; spinosad active ingredient
Algae EC_{50}: 0.079 mg/L; spinosad active ingredient
Honey Bees: 0.003 µg/organism; spinosad active ingredient

13. DISPOSAL CONSIDERATIONS

Product Disposal
Dispose of product only by using according to label or using an approved waste disposal contractor. If this material as supplied becomes a waste care should be taken to ensure compliance with national and local authorities. It is the responsibility of the waste generator to determine the toxicity and physical properties of the waste generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Do not dispose of via municipal sewers, drains, natural streams or rivers
Packaging Disposal
Dispose of empty container by cutting in half and allowing treated pests to feed on and remove remaining bait in the tube or wrap in paper, place in a plastic bag and put in the garbage. Ensure that empty packaging is managed in accordance with local council and HSNO regulations.

14. TRANSPORT INFORMATION

UN No: Not a DG for transport

15. REGULATORY INFORMATION

Country/ Region: New Zealand
ACVM Approval Number: Not applicable
EPA Approval Number: HSR101658
HSNO Controls: Trigger Quantities for this Material:

- Certified Handler Test Certificate: Not Required
- Location Compliance Certificate: Not Required
- Hazardous Atmousphere Zone: Not Required
- Signage, Emergency Plan, Secondary Containment: 1000L
- Tracking: Not required

The trigger quantities above must take into account any other hazardous substance that is present at that location. This represents a partial list of the controls for this material. Contact Key Industries Ltd a full list of HSNO controls.

16. OTHER INFORMATION

Reasons for Issue:
New SDS
Abbreviations:
CAS Number: Chemical Abstracts Number
MBIE - Ministry of Business, Innovation and Employment
EPA: Environmental Protection Agency of New Zealand
HSNO: Hazardous Substances and New Organisms
References:

- Supplier Safety Data Sheets
- HSDB, Toxnet
- EPA Chemical Classification Information Database
- PPDB Pesticides Database

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the suppliers knowledge. 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. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Limited.