Key Industries
Protecting people, crops and native species

Key Industries Limited
PO Box 65 070 Mairangi Bay, Auckland, NZ
Tel +64 (9) 917 1791 Fax +64 9 917 1793
Email sales@keyindustries.co.nz Web www.keyindustries.co.nz

1. IDENTIFICATION

3/44L Constellation Dr
Mairangi Bay, Auckland

Product Name: Stimukil Fly Bait
Other Names: Methomyl + Trichosene
Recommended Use: Fly Bait
Distributor: Key Industries Ltd
Address: P.O. Box 65070, Mairangi Bay, Auckland 0754
Telephone: 09 917 1791
Emergency Phone: 027 494 1659
National Poisons Centre: 0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

Hazard Classifications: 6.1D, 9.1D, 9.2D, 9.3C, 9.4B
Hazards:
May be harmful if swallowed, inhaled or absorbed through the skin.
Avoid breathing dust and contact with skin, eyes and clothing.
Wear suitable protective clothing, especially gloves and footwear, when handling and using bait and equipment.
Wash thoroughly before eating, drinking or smoking.

Ecotoxicity:
Harmful to aquatic organisms and soil environment. Do not apply directly to water. Do not contaminate any water body with bait or empty container.
Harmful to birds, domestic animals and wildlife. Accessible areas treated with this bait are hazardous to birds and other wildlife. Collect, cover or bury granules spilled on the ground.
Toxic to Bees: Do not place baits within 400 metres of beehives.

3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
Methomyl	1652-77-5	10gm/kg
(z)Trichosene	27519-02-4	0.4g/kg

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.
Note to physician: Methomyl is a cholinesterase inhibitor. Symptoms include sweating salivation, nausea, headaches, diarrhea, vomiting cyanosis, skin rash. Atropine is an antidote.
If in the eyes: Wash with plenty of water for 15 minutes. Get medical assistance if irritation persists.
If on the skin: Remove contaminated clothing and wash skin immediately with soap and water. Wash contaminated clothing before reuse.

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5. FIRE FIGHTING MEASURES

Flash Point Not applicable

Flammable limits Not applicable

Flammability Class Not applicable

Hazardous products on combustion Carbon monoxide, carbon dioxide

Fire Extinguishing Media Dry chemical carbon dioxide water spray or regular foam.

Fire Fighting Instructions Move container from fire if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Avoid breathing the vapours, keep upwind Firefighters should use self contained breathing apparatus with full face piece.

Unusual Fire & Explosion Hazards None

6. ACCIDENTAL RELEASE MEASURES:

Keep unnecessary people away from the spill area. Wear protective equipment as specified in Section 8. Stop leak if you can do so without risk. For small dry spills shovel material into clean dry container and cover loosely; move containers from spill area. For large dry spill cover spill with plastic sheet or tarp to minimize spreading or, if wet, dike far ahead of liquid spill for later disposal. If water pollution occurs notify the appropriate authorities.
Observe all laws and regulations regarding notification of accidental releases

Waste Disposal Method
Contaminated absorbent and wash water should be disposed of according to local regulations under the Resource Management Act. Avoid contamination of any water supply with chemical or empty container.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin eyes or clothing. Avoid breathing dust. Wash thoroughly after handling
Keep container tightly closed. Use only with adequate ventilation. Do not permit dust to collect on walls floors, sills ledges, machinery or equipment. Avoid breakages of bagged material or spills of bulk material. Store away from incompatible substances in a cool dry, ventilated area. Do not contaminate water food or feed by storage or disposal.

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Safety Data Sheet: Stimukil

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment

Respiratory Protection A respiratory protection programme meeting OSHA 1910.134 must be followed whenever workplace conditions warrant the use of a respirator. If exposure may exceed recommended limits a NIOSH/MSHA approved respirator should be used based on exposure levels found in the work place.

Eye/face Protection Essentially non-irritating. If potential for contact with material exists, use safety glasses with side shields or other approved eye protection. Wear approved safety glasses.

Skin/Body Protection Direct contact may cause slight skin irritation. Wear impervious gloves and cover exposed arms and legs to prevent skin contact Practice normal hygiene when opening the container and using the product.

Hygiene Controls

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	**Y**ellow or Blue granules
Odour	sulfurous
Physical State	solid
pH **(**1% aqueous solution)	Not determined
Boiling Point	Not applicable
Freezing Point	Not applicable
Specific Gravity @ 25ºC:	Not determined
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Solubility	Soluble.
% volatiles by weight	<1%.

10. STABILITY AND REACTIVITY

Chemical Stability: Product is considered stable. Avoid exposure to heat.

Specific Materials to Avoid: Avoid heat or sources of ignition

Hazardous Decomposition: If involved in a fire, it may emit fumes containing carbon dioxide and carbon monoxide.

Hazardous Polymerisation: Hazardous Polymerisation does not occur

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11. TOXICOLOGICAL INFORMATION

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Acute Effects

Ingestion: Acute oral LD_{50} rat =1400 mg/kg.
Dermal: Acute dermal LD_{50} rabbit =2010 mg/kg Slight skin irritation
Inhalation: Acute inhalation LC_{50} rat 2.3 mg/L/4 hrs
Eye Contact: Essentially non-irritating.

Chronic Effects: No data

12. ECOLOGICAL INFORMATION

This product is toxic to birds, fish aquatic invertebrates and mammals.
Data on the active ingredient methomyl is as follows:

Toxic to: Fish (*Lepomis macrochirus* 96 hr flow through (acute LC_{50} 370-480µg/L),
Aquatic invertebrates (*Daphnia magna*) (acute EC_{50} 7.6 – 31.7µg/L),

Environmental Fate
This product may cause adverse environmental impact. Avoid contact with streams and sewers.

13. DISPOSAL CONSIDERATIONS

Product Disposal
This product should be disposed of according to local regulations. When disposing of waste or surplus avoid contact with eyes and skin. Wear impervious gloves/clothing and chemical safety goggles. Do not wash into drains. Do not mix with other waste materials. Emptied containers may retain product residues and therefore require rinsing before disposal.

14. TRANSPORT INFORMATION

DOT, IATA, IMDG
This product does not meet the definition of any hazard class and therefore is not subject to DOT, IATA, and IMDG regulations.

15. REGULATORY INFORMATION

3/44L Constellation Dr
Mairangi Bay, Auckland

ACVM Registration Number: Not applicable
HSNO Approval Code: HSR000675
HSNO Classifications: 6.1D, 9.1D, 9.2D, 9.3C, 9.4B

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HSNO Controls:

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16. OTHER INFORMATION

Reasons for Issue:
Update format and content to comply with legislation.

HSNO: Hazardous Substances & New Organisms

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. Each user should read this SDS 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 Industries Limited.