

MATERIAL SAFETY DATA SHEET

Dy-Fly® Plus Fly Bait

Date of Issue: October 11, 2002

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Dy-Fly® Plus Fly Bait
Other names: None
Product code: AE F050126 00 GB01 A2
SAP Product code: 131270 (500 g), 131261 (3 kg), 131229 (15 kg)
Recommended use: A ready-to-use fly bait
Supplier: Bayer Environmental Science – A Business Group of Bayer CropScience Pty Ltd ABN 87 000 226 022
Address: 391 - 393 Tooronga Road, East Hawthorn Victoria 3123, Australia
Telephone: (03) 9248 6888
Facsimile: (03) 9248 6800
Website: www.bayercropscience.com.au
Contact: Technical Manager (03) 9248 6854
Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE – NON-DANGEROUS GOOD

Toxic if swallowed. Will irritate eyes and May irritate skin. Not flammable.

Hazard designation: Hazardous according to criteria of Worksafe Australia.
Risk phrases: R25 – Toxic of swallowed
R36 – Irritating to the eyes
Safety phrases: Not applicable
ADG classification: This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.
SUSDP classification: Schedule 6 (Standard for Uniform Scheduling of Drugs and Poisons)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/L):
Methomyl	[16752-77-5]	10
(Z)-9-tricosene	[27519-02-4]	0.5
Other ingredients	(non hazardous)	989.5

4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

Inhalation: Remove person to fresh air. If poisoned through lungs, give atropine

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	tablets as above. Artificial respiration may be required. Seek medical advice.
Skin contact:	If poisoned by skin absorption, remove any contaminated clothing, wash skin thoroughly with soap and water. Give atropine tablets as above. Seek medical advice. Launder contaminated clothing before re-use.
Eye contact:	Immediately rinse eyes thoroughly, including under eyelids, with running water for at least 15 minutes. Seek immediate medical advice.
Ingestion:	Seek immediate medical advice. If swallowed, give one atropine tablet every 5 minutes until dryness of the mouth occurs. Get to a doctor or hospital quickly. Do not give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting. Keep patient at rest and seek medical advice as above.
First Aid Facilities:	Obtain an emergency supply of atropine tablets 0.6 mg.
Symptoms:	Like other carbamate insecticides, methomyl is a reversible cholinesterase inhibitor. Symptoms typical of cholinesterase inhibition (for all routes of entry) include nausea, diarrhoea, abdominal cramps, muscle weakness, dizziness, pinpoint pupils, chest discomfort, loss of reflexes, blurred vision, headache, sweating, decreased pulse, mental confusion and tremors.
Medical attention:	Methomyl is a carbamate insecticide, which is a reversible cholinesterase inhibitor. The main health effect from repeated exposure would be toxic symptoms of cholinesterase inhibition described above. Atropine, preferably by injection, is an antidote. Do not use pralidoxime.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water fog, carbon dioxide, dry chemical, foam.
Hazards from combustion products:	Incompatible with alkalis.
Precautions for fire fighters:	Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment.

6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing and boots. Prevent spill from entering drains, sewers or any body of water. Scoop or shovel into sealable containers for disposal in accordance with applicable local, state and federal regulations. Wash contaminated surface with water.

7. HANDLING AND STORAGE

Handling:	Keep out of reach of children and animals. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Use only in a well-ventilated area.
Storage:	Store product in the closed, original container in a cool, well-ventilated area away from moisture and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Exposure standards: No exposure standard has been assigned by the National Occupational Health and Safety Commission (Worksafe Australia).
ACGIH TLV TWA for methomyl is 2.5 mg/m³.
Production workers handling this product should be monitored for cholinesterase levels. A baseline level should be established prior to any potential exposure.

Engineering controls: Control process conditions to avoid contact. Use local exhaust ventilation during manufacture and use.

Personal Protective Equipment:

Eyes: Avoid contact with the eyes. Wear safety goggles.

Clothing: Wear suitable protective clothing such as cotton overalls buttoned to the neck and wrist and a washable hat. Protective clothing must be stored separately from private clothing.

Gloves: Avoid contact with the skin. Wear PVC or nitrile gloves.

Respiratory: Production workers should wear a disposable respirator in enclosed areas.

Other: Do not eat, drink or smoke until after washing. Wash thoroughly after handling. After each day's use, wash gloves, goggles and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red crystals.

Odour: Practically odourless.

Vapour pressure: No data

Vapour density: Not available

Boiling point: Not available

Freezing/melting point: Not available

Solubility: Mostly soluble

Density: Not applicable

pH: Not available

Flash Point: Not available – not flammable

Flammability (explosive) limits: Not available

Auto-ignition temperature: Not available

Octanol/water partition coefficient: Not available

Formulation: Crystal bait

10. STABILITY AND REACTIVITY

Chemical stability: Not available

Hazardous

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polymerisation: Not available
Conditions to avoid: Not available
Incompatible materials: Not available

Hazardous decomposition products: Incompatible with alkalis.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation: Toxic by inhalation. However, inhalation is unlikely as the active ingredient, methomyl, is contained in a solid bait.

Skin contact: Low toxicity by skin contact. In animal tests methomyl was not a skin sensitiser.

Eye contact: Contact with the eyes will cause tears and blurred vision.

Ingestion: Whilst this product has a low LD50 listed, it is classified as toxic if swallowed.

Other: None

ANIMAL TOXICITY DATA – PRODUCT:

Acute:

Oral toxicity: LD₅₀ rat: 3,300 mg/kg product

Dermal toxicity: LD₅₀ rabbit: >10,000 (mg/kg) product

Inhalation toxicity: LC₅₀ rat: 200mg/L product

Skin irritation: Non-Irritant – rabbit - methomyl

Eye irritation: Irritant – rabbit - methomyl

Sensitisation: Not a skin sensitiser – rabbit - methomyl

Chronic:

Methomyl is rapidly absorbed by ingestion and is not well absorbed through the skin. Methomyl is not mutagenic, carcinogenic nor teratogenic.

12. ECOLOGICAL INFORMATION

Fish toxicity: Methomyl is toxic to fish.
Daphnia toxicity: Not available

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Toxicity to algae: Not available

Bird toxicity: Not available

Bee toxicity: Methomyl is toxic to bees.

Other: None

Environmental fate, persistence and degradation: Not available

13. DISPOSAL CONSIDERATIONS

Check local regulations for disposal of waste. Avoid release into the environment. Triple rinse or preferably pressure rinse containers before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. 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. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

UN number: Not applicable

Proper shipping name: Not applicable

Class and Subsidiary Risk: Not classified as dangerous goods.

Packing Group: Not applicable

EPG: Not applicable

Hazchem code: Not applicable

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

National Registration Authority approval number: 32034

16. OTHER INFORMATION

Trademark information: Dy-Fly® is a Registered Trademark of Bayer

Preparation information: Replaces June 14, 2001 edition.
Reason for update: Conversion to 16 heading format.

Data sources: Bayer CropScience Pty Ltd product safety data and published data

This MSDS summarises our best knowledge of the health and safety hazard information of the

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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.

END OF MSDS