

INSECTICIDE

MALATHION

Registration No. L8317 – ACT 36 OF 1947



Member of the PLENNEGY GROUP

KOMBAT ANTS is an emulsifiable contact and stomach poison for the control of pests as listed.

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Active Ingredient:

Mercaptothion (Organophosphate) 500 g/ℓ



WARNING

HAZARD STATEMENT

- Harmful if swallowed.
- Flammable liquid and vapour.
- May cause an allergic skin reaction.
- May be harmful if swallowed and enters airways.
- Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep container tightly closed.
- Wash hands and face thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release into the environment.
- Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
- IF SWALLOWED: Immediately call a POISON CENTER.
- Collect spillage.
- Store in a well-ventilated place. Keep cool.
- Store locked up.
- Dispose of content/container to suitable landfill in accordance with local regulations.
- Do not handle until all safety precautions have been read and understood.

SYMPTOMS OF POISONING

Symptoms of acute poisoning develop during exposure or within 12 hours (usually within four hours) of contact. Headache, dizziness, weakness, inco-ordination, muscle twitching, tremor, nausea, abdominal cramps, diarrhoea, and sweating are common early symptoms. Blurred or dark vision, confusion, tightness in the chest, wheezing, productive cough, and pulmonary oedema may occur.

FIRST AID TREATMENT

General information: When in doubt or if symptoms are observed, get medical advice. Call a POISON CENTER/doctor if you feel unwell.

Following inhalation: No special measures are necessary. Provide fresh air.

Following skin contact: Wash with soap and water.

Following eye contact: In case of eye irritation consult an ophthalmologist.

Rinse immediately carefully and thoroughly with eye-bath or water.

Following ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

RELEVANT SUBSTANCE		CONCENTRATION (%)
MALATHION TECH (MERCAPTOTHION (ORGANOPHOSPHATE))		
CAS N°	121-75-5	C _≤ 53 %
Fluidar 100		
CAS N°	64742-95-6	C _≤ 42 %

NOTE TO PHYSICIAN

Product may inhibit Acetyl Cholinesterase activity. Atropine is antidotal. Pralidoxime chloride (2-PAM; Protopam chloride) may be effective as an adjunct to Atropine. It does not reactivate the cholinesterase enzyme. Administer atropine sulphate intravenously, or intramuscularly, if iv injection is not possible.

PLEASE READ THE LABEL BEFORE USE

DIRECTIONS FOR USE

Use only as indicated.

WITHHOLDING PERIODS

Allow the following days between last application and harvest on the following crops:

Guavas, Stone and Pome Fruit, Bananas	10 days
Avocados, Granadillas, Cucurbits, Citrus, Papaya, Beans, Cruciferae, Onions	7 days
Lucerne	7days before feeding
Mushrooms and Tomatoes	1 day

Please note

Handle Malathion with care. Poisonous by contact, swallowing and inhalation. Keep out of reach of children and pets. Store under lock and key, away from food and feedstuffs. Toxic to bees, fish and wildlife. Very toxic to aquatic organisms. Is flammable/ Combustible. Is sensitizing to skin. Is irritating to skin. Do not breathe in fumes of spray mist. Wash with soap and water after skin contact. Do not eat, drink or smoke whilst applying. Prevent drift onto other edible crops and fish

ponds. Prevent contamination of foodstuffs, food utensils and drinking water. Destroy empty container and do not re-use for any purpose. During cleansing activity shut off ignition sources. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Wash clothing separately before re-use. During spray wear suitable respiratory equipment. Wear suitable protective clothing. Wear suitable gloves. Wear safety goggles or face shield.

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CONTROLS AND PROTECTS

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RE-ENTRY INTERVALS:

Do not enter treated area until the spray deposit has dried unless wearing protective clothing.

RESISTANCE WARNING:

For resistance management, Malathion is a group code (IB) insecticide. Any insect population may contain individuals naturally resistant to Malathion and other group code (IB) insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by Malathion or any other group code (IB) insecticide.

To delay insecticide resistance:

Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate with registered products from different insecticide group codes. Integrate other control methods (chemical, cultural, biological) into insect control programmes.

For specific information on resistance management contact the registration holder of this product.

CROP / PEST	PEST	DOSAGE /10 ℓ WATER	REMARKS
ORNAMENTALS, FLOWERS, BANANAS, PEACHES, APRICOTS, PLUMS, PAW-PAW, TOMATOES & BEANS	Aphids	12,5 mℓ	Start spraying when insects are noticed and repeat when necessary, as a full cover spray.
GRANADILLAS	Mealy Bugs	25 mℓ	Full cover spray.
ORNAMENTALS, FLOWERS, GUAVAS & CITRUS	Mealy Bugs	12,5 mℓ	Full cover spray.
GRANADILLAS, AVOCADO & GUAVAS	Scale	25 mℓ	Full cover spray.
CITRUS	Scale	30 mℓ	Full cover spray.
GRANADILLAS, BANANAS, ONIONS, AVOCADO, ORNAMENTALS, FLOWERS & TOMATOES	Thrips	17,5 mℓ	Full cover spray.
ORNAMENTALS, FLOWERS & BEANS	CMR Beetles	25 mℓ	Apply when insects are noticed.
ORNAMENTALS, FLOWERS	Grasshoppers, Crickets Astylus	25 mℓ 12.5 mℓ	Apply when insects are noticed.
LAWNS	Lawn caterpillar, fall army worm	25 mℓ	Apply when insects are noticed.
CRUCIFERAE	Diamond Back Moth	25 mℓ	Apply when insects are noticed.
CUCURBITS	Lady Bird	12,5 mℓ	Full cover spray. Direct spray onto underside of foliage. Do not apply when plant surface is wet.
MUSHROOM	Fungus Gnats	15 mℓ	Full cover spray. Repeat as necessary after picking.
ORCHARDS	Ant Holes	400 mℓ	Spot treatment: Spray infested soil thoroughly.
CUCURBITS & GRANADILLAS	Pumpkin Fly	2 mℓ/1 ℓ water + 80 g sugar	Bait treatment. Apply 35 – 40 ℓ/ha as a coarse droplet spray onto underside of foliage. For small plots, repeat application twice per week. For large plots repeat application weekly and after rain.
FRUIT	Fruit Fly	2 mℓ/1 ℓ water + 80 g sugar or 2 mℓ protein or 6 g fish oil	Bait treatment. Apply 35 – 40 ℓ/ha as a coarse droplet spray onto underside of foliage. For small plots, repeat application twice per week. For large plots repeat application weekly and after rain.
PUBLIC HEALTH	Carpet Beetles, Flies, Ants, Bedbugs, Cockroaches, Fish moths	50 mℓ /1ℓ water	Coarse spray or brush onto surfaces.

DISCLAIMER

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and the effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest against the remedy concerned as well by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for the lack of performance of the reedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

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