

KOMBAT STALKBORER GRANULES

Registration No. L2491 – ACT 36 OF 1947



KOMBAT STALKBORER GRANULES is a ready for use granular insecticide for the control of stalkborer in maize. This product is target specific, easy to apply and will not scorch maize plants.

COMPOSITION

Active Ingredient

Carbaryl [Carbamate] - 25g/kg

USES AND BENEFITS

KOMBAT STALKBORER GRANULES is easily applied using the pack as an applicator. Its fine granule ensures good coverage of the problem areas on the plant where the pest occurs.

METHOD OF APPLICATION

- Apply small amount of product directly to the funnels of the plant, as soon as characteristic "shot-holes" of young leaves are noticed.
Aerial application
- Apply 10kg/ha if 10% of plants shows signs of infestation.
Mechanical Application
- Apply 30cm band over the row, using a granular applicator approximately 8kg/ha.
Hand application
- Apply 4kg/ha to the funnels of plants, using a container with perforated lid.

4 KG PRODUCT PER HECTARE.

WARNINGS AND PRECAUTIONS

WARNINGS:

- Poisonous when swallowed.
- Toxic to fish and wildlife.
- Store away from food and feed.
- Keep out of reach of children.

PRECAUTIONS:

- Avoid inhalation of dust and prolonged skin contact.
- Do not eat, drink or smoke whilst applying or before washing hands.
- Wash hands with soap and water after use.
- Prevent contamination of food, feedstuffs, drinking water, eating utensils, rivers and dams.
- Destroy empty container and never re-use for any other purpose.

KOMBAT STALKBORER GRANULES is classified with a green band. All recommendations are to be followed carefully.

PLEASE READ THE LABEL BEFORE USE.

KOMBAT STALKBORER

Version: 1.1

Revision Date: November 2011



1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY UNDERTAKING:

PRODUCT INFORMATION

Product Name : KOMBAT STALKBORER
Design Code : ...
Registration No. : L2491
Use : Insecticide
Company : Kombat (Pty) Ltd
39 Dr. Gordon Road
Greytown
3250
Telephone : [033] 417-1906/7



Harmful



Dangerous for the environment

EMERGENCY TELEPHONE NUMBERS

SPILLAGES:

Emergency telephone: (+27) 032 5330716 or 082 446 8946

POISONINGS:

National Poison Centre: 021-9386084 (office hours) / 021-9316129 (after hours).

UOFS Pharmacology/Toxicology information centre: 0824910160

2. HAZARD IDENTIFICATION

May be fatal if swallowed. Harmful if inhaled or absorbed through the skin.

National fire hazard protection associating rating : Health 3

Fire 1
Reactivity 1

Key: 4 = Extreme
3= High
2= Moderate
1= Slight
0= Minimum

3. COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT DESCRIPTION:

Carbamate Insecticide containing the active Carbaryl

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HAZARDOUS INGREDIENTS:

Carbaryl [1-naphtelyn n-methylcarbamate]

g / kg:
25

4. FIRST- AID MEASURES

Persons attending the victim should avoid direct contact with the contaminated clothing and vomiting. Wear impervious gloves while decontaminating skin and hair.

Inhalation :Remove patient to fresh air. If not breathing, administer cardiopulmonary resuscitation or artificial respiration. If breathing is difficult, administer oxygen. Get medical attention.

Skin contact :Immediately wash skin with plenty of soap and water, while removing contaminated clothing and shoes.

Eye contact :Hold eyelids open and flush with stream of fresh water for at least 15 min. Get medical attention.

Ingestion : If patient is alert, give 2-3 glasses of water or milk to drink. Give one tablespoon of syrup of Ipemac to induce vomiting. If vomiting did not occur in 20 min. time, the same dose of Ipemac could be repeated one more time. Alternatively, induce vomiting by touching the back of the throat with the finger. Get medical attention.

Further Medical treatment :This product contain a methyl carbamate insecticide , which is a cholinesterase inhibitor. Specific treatment consists of parenteral Atropine Sulfate. Improve tissue oxygenation as much as possible before administering Atropine, to minimize the risk of ventricular fibrillation. Mild cases; Give atropine at 1 – 2 mg intramuscularly every 10 min. until fully atropinization has been achieved. Severe cases should be give 2-4 mg intramuscularly every 10 min. and repeated till full atropinization has been achieved every 30 – 60 min. as needed to maintain the effect for at least 12 h. Dosage for children should accordingly be reduced. Be careful for not over atropinization. Complete recovery should be expected with-in 24 hours.

5. FIRE-FIGHTING MEASURES

Thermal decomposition products may be hazardous. May contain Nitrogen Oxide, Carbon Monoxide, carbon dioxide and methyl isocyanate.

Extinguishing Media: Small fires; Carbon dioxide or dry chemical.

Large fires; Use water spray or foam (alcohol, polymer or ordinary).

Fire Fighting Protective Equipment: Use self contained breathing apparatus, full body protective clothing, chemical resistant gloves (PVC or butyl). Eye goggles or face shield must be wear.

6. ACCIDENTAL RELEASE MEASURES

Clean up spillage by using shovels. Carefully scoop up loose material to avoid dust forming. Place in appropriate container for disposal.

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Spillage that could not be clean as above, follow following procedures; Scrape from ground and placed in containers for disposal.

Do not flush any material into public sewer or any waterways.

Use protective clothing and equipment for cleaning up process.

Spills are subjected to reporting requirements to local Land and water Affairs Dept.

7. HANDLING AND STORAGE

Handling:

Protective gloves: chemical resistant gloves, E.G. , PVC or Butyl

Eye protection: Goggles , face shield and eye bath

Protective clothing: Full body protective overall.

Storage:

Store product in original container, cool dry area out of reach of children and animals.

Do not store in area where temperatures frequently exceed 100 degrees F

Ventilation: Mechanically ventilated room.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Refer to the label when using this product.

Protective gloves: chemical resistant gloves, E.G. , PVC or Butyl

Eye protection: Goggles , face shield and eye bath

Protective clothing: Full body protective overall.

Do not ingest.

Avoid exposure by inhalation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: granules
Color	: light pink to pink dark
Odor	:mild phenolic
Density (g/ml)	:not known
Flash point	: 193 C
Solubility	: Insoluble

10. STABILITY AND REACTIVITY

Hazardous decomposition Product(s):

Carbaryl (1-naphthyl, N-methylcarbamate)

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11. TOXICOLOGICAL INFORMATION

Inhalation : LC50 Rat; 5,0 – 13 mg/l (4 hour exposure)

Skin contact :Rabbit; minimal irritation.

Eye contact : Rabbit; slight irritation

Ingestion : Oral LD50 rat; > 5,000 mg/kg
: Dermal LD50 ; rabbit : > 5000 mg/kg

12. ECOLOGICAL INFORMATION

Toxicity : illness may occur rapidly after exposure to this product.
The principle hazard of this product is reversible cholinesterase inhibition.
Symptoms are dose related.
Rapid in onset and reversible in time.

13. DISPOSAL CONSIDERATIONS

Do not contaminate rivers, dams or any other water source with chemical or used containers.
Drain and triple rinse containers and then destroy by perforation and flattening.
Bury in an approved dumping site.
Do not re-use containers for any other purpose.

14. TRANSPORT INFORMATION

SARA title I-III:
Section 302: extremely hazardous substance: not listed.
Section 313: toxic chemical: Carbamate Pesticide, solid, toxic
Class 6.1

ROAD / RAIL : TREMCARD:

15. REGULATORY INFORMATION

Group : II
TSCA inventory status: TSCA Certified.
EPA registration No: 264-324

16. OTHER INFORMATION

Usage : Insecticide.

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**Read the label before use or buy.
Use pesticides safely.**

17. EXCLUSION OF LIABILITY:

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors or omissions or the consequence thereof.

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