



# SAFETY DATA SHEET

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## 1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **KILLEM<sup>®</sup> SUPER FLY BAIT**

Usage: Insecticide

Company identification: Bayer (Pty.) Ltd.  
Reg. No. 1968/011192/07  
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SOUTH AFRICA

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In case of poisoning emergencies:  
Bayer (office hours only): +27 11 921 5310/5663/5471/5639  
Tygerberg Poison Centre: +27 21 931 6129  
Griffon Poison Information Centre: +27 82 446 8946

## 2) HAZARD IDENTIFICATION OF THE PRODUCT

Risk advice to man and the environment: Poisonous by contact and swallowing.  
May irritate eyes.

## 3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical nature: Granular bait (RB)  
Methomyl (carbamate) 10 g/kg

Hazardous components:

Chemical Name	CAS-No.	Symbol(s):	R-phrases	Concentration [%]
Methomyl	16752-77-5	T+, N	R28, R50/53	1.00

For the full text of the R-phrases mentioned in this Section, see Section 16.

## 4) FIRST AID MEASURES

**Skin contact:** The toxin is a cholinesterase inhibitor and may be absorbed through intact skin. Remove contaminated clothing, rinse affected skin area with plenty of soap and cold water or shower. DO NOT rub skin.

**Eye contact:** Irritating, may cause redness, blurred vision, tears, miosis with fixed pinpoint pupils. Immediately wash eyes with copious amounts of clean water for at least 15 minutes, cover with a sterile pad, and contact a doctor.

**Ingestion and overexposure:** The toxin is a cholinesterase inhibitor and may cause headache, fatigue, faintness, giddiness, nausea, excessive sweating, abdominal pain, vomiting, blurred vision, muscle twitching, small pupils, respiratory distress, coma. Symptoms of poisoning may develop after several hours/days. Remove to fresh air, put in half up-right position, give plenty water. Never give anything by mouth to an unconscious person. DO NOT apply direct mouth to mouth respiration, use a disposable protective mouthpiece.

**Inhalation:** The toxin is a cholinesterase inhibitor. Prevent inhalation of dust if the material is handled roughly, such as when sweeping up spillage or waste. Remove patient from source of poisoning to well ventilated area and keep him quiet and reassured. If necessary, administer artificial respiration and oxygen or closed chest cardiac massage.

TLV-TWA for methomyl: 2,5 mg/m<sup>3</sup>

### NOTE TO PHYSICIAN:

Administer Atropine sulphate 2 to 4 mg (adult) intravenously. Repeat every 10 minutes until signs of atropinization occur (dry, flushed skin and tachycardia). Pralidoxime (2 PAM, Protopam) and other oximes are contra indicated. Keep the patient under observation for at least 48 hours.

SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS MSDS TO A MEDICAL PRACTITIONER

## 5) FIRE FIGHTING MEASURES

Personnel involved in a fire situation with this material should wear self-contained breathing apparatus as toxic and corrosive fumes may



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be given off, or upon contact with alkaline materials and strong oxidizing agents.  
No unprotected person should be allowed in the vicinity.

The decomposed material emits toxic and corrosive fumes.

Fire extinguishing agents to be used: Water fog.

Contain run-off with temporary earth barriers.

## 6) ACCIDENTAL RELEASE MEASURES

Cover spillage with dry sand, sweep up and dispose of as for toxic waste in accordance with local/national regulations.

Protective clothing and respiratory protection to be worn when clearing spillage.

## 7) HANDLING AND STORAGE

Storage: Store away from food and foodstuffs.

Handling: Prevent consumption or contact with the skin.  
Wear rubber gloves when handling or mixing bait.  
Wash thoroughly with soap and water after accidental contact.

Cleaning of equipment after use: Clean protective clothing, used protective clothing and the workers' personal clothing shall be kept apart. At the end of each day, all protective clothing and respirators shall be decontaminated, washed, rinsed and dried. Extra care must be taken when cleaning equipment after use.

Note: During application and when cleaning equipment and protective clothing, contamination of all sources of drinking water, rivers, dams, other crops or grazing shall be prevented. The material is toxic to fish, birds and wildlife.

## 8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Nitrile rubber gloves, boots, hat, safety goggles, face shield, dust mask/effective respiratory protection, full length protective clothing and rubber-like apron must be worn when loading or storing this material.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

Description: Yellow, dry, free flowing, sugar-like granules.

Solubility: Methomyl, technical: 58 mg/l in water at 25 °C.

Degradation: Methomyl decomposes rapidly in soil.

## 10) STABILITY AND REACTIVITY

Stability: Methomyl in aqueous solutions decomposes slowly at room temperature; more rapidly on aeration, in sunlight, alkaline media and/or at higher temperatures.

## 11) TOXICOLOGICAL INFORMATION

Toxicity: (active ingredient)  
Extremely toxic on ingestion and skin contact.  
LD<sub>50</sub> acute oral, female rats: 17 mg/kg  
LD<sub>50</sub> acute oral, male rats: 24 mg/kg  
LD<sub>50</sub> acute dermal, rabbits: > 1 500 mg/kg

Eye irritation, rabbit: Irritant.

## 12) ECOLOGICAL INFORMATION

Toxicity to fish: (active ingredient)  
LC<sub>50</sub> (96 hours): 3,4 mg/l Rainbow trout  
0,87 mg/l Bluegill

## 13) DISPOSAL CONSIDERATIONS

Disposal of residue: Residue may be disposed of as for toxic waste in accordance with local/national regulations.

Disposal of used packaging material: Destroy empty containers by perforation and flattening and dispose of in accordance with local/national regulations. DO NOT re-use for any other purpose.

## 14) TRANSPORT INFORMATION

UN Number: 2757



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Class: 6.1  
IMDG: 6195  
Ems: 6.1-04  
MFAG: 505  
Subsidiary risk: •  
Packing group: III  
Declaration for land shipment: 2757 CARBAMATE PESTICIDE, SOLID, TOXIC  
Declaration for sea shipment: 2757 CARBAMATE PESTICIDE, SOLID, TOXIC  
Declaration for shipment by air: 2757 CARBAMATE PESTICIDE, SOLID, TOXIC

## 15) REGULATORY INFORMATION

Risk phrase(s):

R51: Toxic to aquatic organisms.

R55: Toxic to fauna.

Safety phrase(s):

S2: Keep out of reach of children.

S13: Keep away from food, drink and animal feedingstuffs.

S24: Avoid contact with the skin.

S28: After contact with the skin, wash immediately with plenty of water.

S37: Wear suitable gloves.

WHO Classification: III (moderately hazardous)

## 16) OTHER INFORMATION

Text of R phrases mentioned in Section 3:

R28: Very toxic if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

Consult the label for directions for use.

THIS INFORMATION CONCERNS ONLY THE PRODUCT AS CONFORMING TO ITS SPECIFICATIONS AND LIMITED TO THE USES HEREIN STATED.

This sheet complements the technical sheet of use but does not replace it. The information contained on this sheet is based on knowledge of the product on the date of publication. It is given in good faith.

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