

# SAFETY DATA SHEET



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## 1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **MAXFORCE® GEL**

Usage: Insecticide

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

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Responsible department: Product Development and Regulatory Affairs  
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In case of poisoning emergencies:  
Bayer (office hours only): +27 11 921 5429/5471/5639  
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: Harmful: danger of serious damage to health by prolonged exposure if swallowed.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical nature: Bait (ready for use) (RB)  
Hydramethylnon 2.15 % w/w

Hazardous components:

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Hydramethylnon	67485-29-4	T, N	R22, R36, R48/25, R50/53	2,15
Oleic acid	112-80-1 204-007-1	Xi	R36/38	> 1,00 - < 20,00
1,2-Benzisothiazol-3(2H)-one	2634-33-5 220-120-9	Xn, N	R22, R38, R41, R43, R50	> 0,10 - < 1,00

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

## 4) FIRST AID MEASURES

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin contact: Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Ingestion: Obtain medical attention. Do NOT induce vomiting. Rinse mouth. Keep at rest.

Inhalation: Move to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.

Notes to Physician:

Symptoms: Local: To date no symptoms are known.  
Systemic: To date no symptoms are known.

Treatment: Local: Initial treatment: symptomatic.  
Systemic: Initial treatment: symptomatic.

## 5) FIRE FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which must not be used for safety reasons: High volume water jet.

Special protective equipment for fire-fighters: In the event of fire and/or explosion do not breathe fumes.  
Wear self contained breathing apparatus for fire fighting.

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Further information: Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.  
Whenever possible, contain fire-fighting water by bunding area with sand or earth.

## 6) ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with spilled material or contaminated surfaces.  
When dealing with the spillage do not eat, drink or smoke.

Environmental precautions: Do not allow to get into surface water, drains and ground water.

Methods for cleaning up: The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled then the following advice is applicable.  
Clean floors and contaminated objects with plenty of water.  
Use mechanical handling equipment.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Collect and transfer the product into a properly labelled and tightly closed container.

Additional advice: Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.  
Check also for any local site procedures.

## 7) HANDLING AND STORAGE

Handling: Advice on safe handling.  
No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.  
Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion: Dust may form explosive mixtures with air.

Storage: Requirements for storage areas and containers.  
Store in a place accessible by authorized persons only.  
Keep away from direct sunlight.  
Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage: Keep away from food, drink and animal feedingstuffs.  
Temperature tolerance: -10 °C to 40 °C

Suitable materials: Store in original container.

## 8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protective equipment:

In normal use and handling conditions: Wear rubber gloves.

In all other cases the following recommendations would apply:

Respiratory protection: No personal respiratory protective equipment normally required.  
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection: Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated.  
Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed.  
Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection: Wear goggles conforming to EN166 (Field of Use 5 or equivalent).

Skin and body protection: Wear standard coverall and type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

Hygiene measures: When using, do not eat, drink or smoke.  
Remove soiled clothing immediately and clean thoroughly before using again.  
Wash hands immediately after work, if necessary take a shower.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Gel

Colour: Brown

Odour: Odourless

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Density:	1.10 g/cm <sup>3</sup>
Water solubility:	Partly soluble
<b>10) STABILITY AND REACTIVITY</b>	
Conditions to avoid:	Extremes of temperature and light.
Hazardous decomposition products:	Toxic gases/vapours.
Hazardous reactions:	No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.
<b>11) TOXICOLOGICAL INFORMATION</b>	
Acute toxicity:	
Low toxicity	
LD <sub>50</sub> oral, rat:	> 2000 mg/kg
LD <sub>50</sub> dermal, rabbit:	> 2000 mg/kg
Skin irritant, rabbit:	No skin irritation.
Eye irritation, rabbit:	No eye irritation.
Skin sensitisation, guinea pig:	Not a skin sensitizer.
<b>12) ECOLOGICAL INFORMATION</b>	
Mobility: (active ingredient)	Immobile in soil. Does not leach to groundwater.
Persistence/Degradability: (active ingredient)	Soil DT <sub>50</sub> 7 days (loam). Water DT <sub>50</sub> 24 to 33 days (pH 4.9), 10 to 11 days (pH 7.03), 11 to 12 days (pH 8.87). Photolysis DT <sub>50</sub> 1 hour.
Bio-accumulation: (active ingredient)	Log P = 2.31. Has a low potential for bioaccumulation.
Aquatic toxicity: (Active ingredient)	LC <sub>50</sub> Rainbow trout 0.16 mg/ℓ, bluegill sunfish 1.7 mg/ℓ, 48 hr EC50 daphnia 1.14 mg/ℓ (96 hr).
<b>13) DISPOSAL CONSIDERATIONS</b>	
Product disposal:	Disposal of product would usually be by incineration in an appropriately licensed commercial incinerator. Small quantities may be accepted in licensed landfill sites.
Container disposal:	Empty remaining contents. Not completely emptied packagings should be disposed of as hazardous waste. Rinsed packaging may be acceptable for landfill, otherwise incineration will be required in accordance with local regulations.
<b>14) TRANSPORT INFORMATION</b>	
ADNR:	Not dangerous goods
ADR:	Not dangerous goods
GGVE:	Not dangerous goods
GGVS:	Not dangerous goods
IATA_C:	Not dangerous goods
IATA_P:	Not dangerous goods
IMDG:	Not dangerous goods
RID:	Not dangerous goods
<b>15) REGULATORY INFORMATION</b>	
Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.	
Classification: Hazard warning labelling compulsory	
Hazardous components which must be listed on the label: Hydramethylnon	
Symbol(s):	
Xn:	Harmful
R-phrases(s):	
R48/22:	Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Exceptional labelling: To avoid risks to man and the environment, comply with the instructions for use.  
Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

WHO Classification: III (moderately hazardous)

SA Classification: IV (acute hazard unlikely in normal use).

## 16) OTHER INFORMATION

Text of R phrases mentioned in Section 3:

R22: Harmful if swallowed.

R36: Irritating to eyes.

R36/38: Irritating to eyes and skin.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

R43: May cause sensitization by skin contact.

R48/25: Toxic: danger of serious damage to health by prolonged exposure if swallowed.

R50: Very toxic to aquatic organisms.

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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