

MATERIAL SAFETY DATA SHEET
Emergency contact number: +27 11 365-8639



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1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **MAXFORCE® GEL**

Company identification: Bayer (Pty.) Ltd.
Reg. No. 1968/011192/07
P.O. Box 143, Isando 1600
SOUTH AFRICA

Company contact numbers: +27 11 365 8600
+27 11 921 5911

Tygerberg Poison Centre: +27 21 931 6129

2) COMPOSITION / INFORMATION ON THE INGREDIENTS

Cas Reg No: 67485-29-4 (Hydramethylnon)
112-80-1 (Oleic acid)

Usage: Bait insecticide

Appearance: Opaque brown viscous gel

3) HAZARD IDENTIFICATION OF THE PRODUCT

Hazardous Components in Product for EC

Component Name	Hydramethylnon	Oleic acid	Conc. %w/w	2.00	1.00<5.00	R.Phrases	R22	R36/37/38	Classification	Xn	Xi

4) FIRST AID MEASURES

Eye contact: Rinse immediately with clean water for at least 15 minutes and obtain medical aid.

Skin contact: Carefully remove contaminated clothing. Wash affected area with soap and water. Seek medical aid if at all worried.

Ingestion: Wash out mouth with water. Keep patient at rest and seek medical advice. Do not induce vomiting.

Inhalation: If inhaled, remove to fresh air and keep at rest. Obtain medical aid if at all worried.

Note to Physicians: Brief Summary of Symptoms and Signs:
Local Contamination: None documented to-date
Systemic Poisoning: None documented to-date
Treatment:
Local Contamination: Symptomatic after decontamination. Treat as documented above under 'First-Aid Measures'.
Systemic Poisoning: Initial treatment should be symptomatic and supportive.

5) FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, carbon dioxide (CO₂), dry powder, foam.

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

Specific hazards during fire fighting: In case of fire the evolution of dangerous gases is possible.

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 if necessary.

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. If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing as detailed in Section 8.

Environmental Precautions: Keep people and animals away. Prevent entry into drains, sewers and watercourses. Notify the appropriate authority immediately.

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Spillages:	Sweep up into suitable containers for recovery or disposal.
Note:	Check also for any local site procedures in force.
7) HANDLING AND STORAGE	
Handling:	Wear suitable gloves when handling unopened containers. Wash thoroughly with soap and water after handling and before eating drinking or smoking.
Storage:	Keep out of reach of children, animals and uninformed persons. Store in a cool, dry place, away from food and feedstuffs. Store in original packs/containers.
Technical Storage Measures:	No special measures required.
8) EXPOSURE CONTROLS AND PERSONAL PROTECTION	
Occupational Exposure Standards	
Product:	None assigned
Engineering Control Measures:	Refer to any applicable COSHH assessments. Engineering controls should be used where practicable in preference to personal protection.
Respiratory Protection:	None required when handling the product.
Hand protection:	Wear chemical resistant PVC or nitrile gloves
Eye Protection:	Wear safety goggles with unperforated side shield or goggles (conforming to BS EN 166 or BS 2092 for older goggles) during manufacturing or spillage control. None required during normal use.
Other:	Wear PVC or chemical resistant disposable overalls and PVC boots during manufacturing or spillage control. None required during normal use.
Other information:	If feasible, decontaminate protective clothing before removal. Where decontamination is not feasible (before or after removal) dispose of as contaminated waste.
9) PHYSICAL AND CHEMICAL PROPERTIES	
Physical state:	Gel
Colour:	Opaque brown
Odour:	Sweet
pH:	Not applicable
Boiling range/Point (°C):	Not applicable
Melting point/Freezing point (°C):	Not determined
Density:	1.10 g/ml
Flammability:	Not readily combustible
Explosive properties:	None
Oxidising properties:	None
Vapour density (Air = 1):	Not applicable
Dust explosion data:	Not applicable
Summary/Other data:	A solid that is not readily combustible.
10) STABILITY AND REACTIVITY	
Stability:	Stable at ambient conditions.
Conditions to avoid:	None in particular.
Materials to avoid:	None under normal conditions of use.
11) TOXICOLOGICAL INFORMATION	
Acute toxicity:	
Low toxicity	

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LD ₅₀ oral, rat:	> 2000 mg/kg
LD ₅₀ dermal, rabbit:	> 2000 mg/kg
Skin irritant:	No skin irritation.
Eye irritation:	No eye irritation.
Skin sensitisation:	Not a skin sensitizer.
12) ECOLOGICAL INFORMATION	
Mobility:	Active ingredient: Immobile in soil. Does not leach to groundwater.
Persistence/Degradability:	Active ingredient: Soil DT ₅₀ 7 days (loam). Water DT ₅₀ 24 to 33 days (pH 4.9), 10 to 11 days (pH 7.03), 11 to 12 days (pH 8.87). Photolysis DT ₅₀ 1 hour
Bio-accumulation:	Active ingredient: Log P = 2.31. Has a low potential for bioaccumulation.
Aquatic toxicity :	Active ingredient: 96 hr LC ₅₀ rainbow trout 0.16 mg/l, bluegill sunfish 1.7 mg/l, 48 hr EC50 daphnia 1.14 mg/l.
Other toxicity	Active ingredient: Acute oral LD ₅₀ mallard duck > 2510 mg/kg, bobwhite quail 1828 mg/kg. Toxic to bees.
13) DISPOSAL CONSIDERATIONS	
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:	Lightly contaminated packaging may be acceptable for landfill, otherwise incineration will be required.
14) TRANSPORT INFORMATION	
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
15) REGULATORY INFORMATION	
Risk phrases:	R 51.
Safety phrases:	S 2, 3, 13, 20/21, 24, 37, 38.
WHO Classification:	III (moderately hazardous)
SA Classification:	IV (acute hazard unlikely in normal use).
16) OTHER INFORMATION	
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. If the logo in this document is not in colour, this document is a photocopy and could be out of date.	



MAXFORCE® GEL

REG. NO. L4911 Act No. 36 of 1947
Namibian Reg. No. N-AR 0584

REG. NR. L4911 Wet Nr. 36 van 1947
Namibiese Reg. Nr. N-AR 0584

Only for sale to and use by registered pest control operators.

Slegs vir verkoop aan en gebruik deur geregistreerde plaagbeheeroperateurs

AN INSECTICIDAL GEL BAIT FOR THE CONTROL OF COCKROACH NYMPHS AND ADULTS IN DOMESTIC PREMISES, PUBLIC HYGIENE AND FOOD STORAGE PREMISES, WHICH IS ODOURLESS, NON-VOLATILE AND NON-REPELLANT.

'N INSEKDODENDE JEL LOKAAS VIR DIE BEHEER VAN KAKKERLAK NIMFE EN VOLWASSENES IN HUISHOUDELIKE PERSELE, PUBLIEKE HIGIËNE EN VOEDSELOPBERGING PERSELE, WAT REUKLOOS, NIE-VLUGTIG EN NIE-AFWEREND IS.

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL:

Hydramethylnon

21,5 g/kg

Hydrametielnoon

NET CONTENTS: / NETTO INHOUD: 30 g

REGISTRATION HOLDER / REGISTRASIEHOUER:

Bayer (Pty.) Ltd. / (Edms.) Bpk.
Reg. No. / Nr. 1968/011192/07
P.O. Box / Posbus 143
ISANDO 1600
SOUTH AFRICA / SUID-AFRIKA
TEL: (011) 921 5911

Batch no: / Lotnommer:

Date of manufacture: / Datum vervaardig:

MAXFORCE® is a registered trademark of the Bayer / is 'n geregistreerde handelsmerk van die Bayer.



**CAUTION
VERSIGTIG**



WARNINGS:

Avoid all contact by mouth or with skin. May irritate skin.
Dangerous to fish.
Keep out of reach of children, animals and uninformed persons.
Store in a cool, dry place, away from food and feedstuffs.
Do not allow to freeze.

PRECAUTIONS:

Wear gloves during application.
Do not eat, drink or smoke while applying.
Apply only in positions inaccessible to children and pets.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Wash hands and exposed skin with soap and water, before meals and after work.
Do not apply gel to surfaces on which food or feed is stored, prepared or eaten.
Protect food preparing equipment and eating utensils from contamination during application.
When empty dispose of the syringe safely. Do not re-use the syringe for any other purpose.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED.

Suitable for use in domestic premises and areas where foodstuffs are stored, prepared or packaged; hotels, restaurants and kitchens; warehouses and factories; hospitals and animal housing.

Maxforce® Gel contains a cockroach stomach poison with a delayed action, therefore results are not immediately visible. An effect on the cockroach population can be expected within a week.

Survey the area to be treated to identify centres of cockroach infestation e.g. by using sticky traps and/or flush-out aerosols; searching for droppings, cast skins and egg cases. For maximum effect, place the bait in and around cockroach harbourages and where possible between these and food sources.

Apply gel directly to surface of identified target areas as spots or thin ribbons, preferably out of sight and where light intensity is low. Avoid very dusty, damp or greasy locations. **Maxforce® Gel** can be placed in and around: buildings e.g. corners, cracks and crevices, voids, service-ducts, lift shafts; equipment and furniture e.g. counters, refrigerators, cookers, sinks and around sensitive situations, e.g. electrical, electronic and mechanical equipment.

Rates of application

1. German cockroaches: 0,25 - 0,50 g/m²
2. Oriental cockroaches, American cockroaches: 0,50 - 1,00 g/m²

The lower application rate should be used for low to moderate infestations, or retreatments and the higher rate for more severe infestations, or first account. A 24 mm strip of gel 5 mm in diameter has a mass of approximately 0,5 g. Numerous smaller placements will provide faster control than few larger spots, especially for German cockroaches.

The gel will remain pliable and palatable to cockroaches as long as it is visible; usually up to 12 weeks. Where infestations are high inspect gel four weeks after treatment and replace if necessary.

The life of the bait will be reduced under day-light conditions.

Maxforce® Gel can be integrated with space or surface spray treatments but must not be contaminated with other insecticides or placed on freshly sprayed surfaces.

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WAARSKUWINGS:

Vermý alle kontak deur mond of met vel. Kan vel irriteer.
Gevaarlik vir vis.
Hou buite bereik van kinders, diere en oningeligte persone.
Bewaar in 'n koel, droë plek, weg van voedsel en voer.
Moenie toelaat dat produk vries nie.

VOORSORGMAATREËLS:

Dra handskoene tydens aanwending.
Moet nie eet, drink of rook tydens aanwending nie.
Wend slegs aan in posisies wat ontoeganklik is vir kinders en troeteldiere.
Moet nie poele, waterweë of slote met chemikalieë of gebruikte houer besoedel nie.
Was hande en blootgestelde vel met seep en water, voor maaltye en na toediening.
Moet nie jel aanwend op oppervlakke waar voedsel of voer geberg, voorberei of geëet word nie.
Voorkom besoedeling van voedselvoorbereiding toerusting en eetgerei tydens aanwending.
Wanneer leeg raak veilig ontslae van die spuit. Moenie spuit vir enige ander doel gebruik nie.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI.

Geskik vir gebruik in huishoudelike persele en areas waar voedsel geberg, voorberei of verpak word; in hotelle, restourante en kombuise; pakhuse en fabrieke; hospitale en dierehokke.

Maxforce® Gel bevat 'n kakkerlak maaggif met 'n vertraagde aksie, derhalwe is resultate nie onmiddellik sigbaar nie. 'n Effek op die kakkerlak populasie kan binne 'n week verwag word.

Ondersoek die area wat behandel moet word om middelpunte van kakkerlak besmetting te identifiseer, bv. met klewerige valle en/of uitspoel aërosols; soek vir uitskeidings, vervellings en eierpakkies. Vir maksimale effek, plaas lokaas in en om die kakkerlak skuilings en tussen lg. en voedselbronne waar moontlik.

Wend jel direk aan die oppervlak van geïdentifiseerde teiken areas as kolbehandeling of dun stroke, verkieslik waar dit buite sig en die ligintensiteit laag is. Vermý oormatige stowwerige, klam of vetterige plekke. **Maxforce® Gel** kan geplaas word in en om: geboue bv. hoeke, krake en barsies, holtes, pype, hysbakskagte; toerusting en meubels, bv. toonbanke, yskaste, kooktoestelle, wasbakke en in en om sensitiewe situasies, bv. eletroniese- of meganiese toerusting.

Dosis vir toediening

1. Duitse kakkerlakke: 0,25 - 0,50 g/m²
2. Oosterse kakkerlakke, Amerikaanse kakkerlakke: 0,50 - 1,00 g/m²

Die laer dosis moet gebruik word vir lae tot medium besmettings, of herhalings en die hoër dosis vir meer ernstige besmettings of, eerste behandeling. 'n Strook jel, 24 mm lank en 5 mm in deursnee het 'n massa van ongeveer 0,5 g. Verskeie klein kolletjies sal vinniger beheer verskaf, eerder as groter kolle, veral vir duitse kakkerlakke.

Die jel sal buigsaam en aanvaarbaar wees vir kakkerlakke so lank as wat dit sigbaar is; gewoonlik tot 12 weke. Waar besmettings hoog is, ondersoek jel vier weke na behandeling en vervang indien nodig.

Die lewe van die lokaas sal verminder met daglig omstandighede.

Maxforce® Gel kan geïntegreer word met ruimte- of oppervlak behandelings, maar moet nie met ander insekdoders in aanraking kom, of geplaas word op vars bespuite oppervlakke nie.

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