

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



Publication date: 18 August 1998 Sheet number: BES/SA0066 Revised on: 30 May 2007 Revision number: 6

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.
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