

**MAXFORCE**Version 3 / GB
102000001393

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Revision Date: 07.04.2008

Print Date: 11.07.2008

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name MAXFORCE
Product code (UVP) 05938384
Usage Insecticide
Company Bayer Environmental Science
230 Cambridge Science Park
Milton Road
Cambridge
Cambridgeshire CB4 0WB
Great Britain

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Responsible Department Email: ukinfo@bayercropscience.com

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2. HAZARDS IDENTIFICATION**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 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
Glycerine	56-81-5 200-289-5			> 1.00
Starch	9005-25-8 232-679-6			> 1.00
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.



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4. FIRST AID MEASURES

Inhalation

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

Skin contact

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

Eye contact

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

Ingestion

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

Notes to Physician

Symptoms

Local:, To date no symptoms are known.

Symptoms

Systemic:, To date no symptoms are known.

Treatment

Local treatment:

Initial treatment: symptomatic.

Treatment

Systemic treatment:

Initial treatment: symptomatic.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which should 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.

In the event of fire, wear self-contained breathing apparatus.

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 diking area with sand or earth.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with spilled product or contaminated surfaces.

When dealing with a spillage do not eat, drink or smoke.

Environmental Precautions

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

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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 / PERSONAL PROTECTION

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
Glycerine (Mist.)	56-81-5	10 mg/m ³ (TWA)	2007	EH40 WEL
Starch (Respirable.)	9005-25-8	4 mg/m ³ (TWA)	2007	EH40 WEL
Starch (Inhalable)	9005-25-8	10 mg/m ³ (TWA)	2007	EH40 WEL

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Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. 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**Appearance**

Form	gel
Colour	brown
Odour	odourless

Safety data

Density	approx. 1.10 g/cm ³ at 20 °C
Water solubility	partly soluble

10. STABILITY AND REACTIVITY

Conditions to Avoid	Extremes of temperature and direct sunlight.
Hazardous Decomposition Products	toxic gases/vapours
Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.



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11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat) > 2,000 mg/kg
Acute Dermal Toxicity	LD50 (rabbit) > 2,000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	No eye irritation. (rabbit)
Sensitization	Non-sensitizing. (guinea pig)

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Bioaccumulation	Gambusia affinis (mosquito fish) Bioconcentration factor (BCF): 95 The value mentioned relates to the active ingredient hydramethylnon.
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Ecotoxicity effects

Toxicity to Fish	LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 0.16 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient hydramethylnon.
Toxicity to daphnia	EC50 (Water flea (<i>Daphnia magna</i>)) 1.14 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient hydramethylnon.

13. DISPOSAL CONSIDERATIONS

Product

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

Contaminated packaging

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.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances



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14. TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.

15. REGULATORY INFORMATION

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3 and any subsequent amendments.

Classification:

Hazard warning labelling compulsory

Hazardous components which must be listed on the label:

- Hydramethylnon

Symbol(s)

Xn Harmful

R-phrase(s)

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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.

Further information

WHO-classification: III (Slightly hazardous)

16. OTHER INFORMATION

Further 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.

Ready to use 'Baits' are insecticides packaged in plastic, tamper proof containers.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take



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precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.