



Bayer Environmental Science

MAXFORCE ULTRA GEL

Version 1
Revision Date 27.03.2003

GB
102000001393

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

Trade name : MAXFORCE ULTRA GEL
 Product code : AE F149320 00 RB02 A4
 Specification : 21328
 Usage : insecticide
 Company : Bayer Environmental Science
 Durkan House
 214-224 High Street
 Waltham Cross
 Hertfordshire EN8 7DP
 United Kingdom

Telephone : +44(0)1992 784270
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 +44(0)1223-870312

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**

Bait (ready for use) (RB), contains:
Hydramethylnon 2.15 %w/w

Hazardous components

| Chemical Name | CAS-No. | Symbol(s): | R-phrases) | Concentration [%] |
|----------------|------------|------------|---------------|-------------------|
| Hydramethylnon | 67485-29-4 | Xn, N | R22 R50/53 | 2.15 |
| Glycerol | 56-81-5 | | | > 5.00 - < 25.00 |

3. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

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

4. FIRST AID MEASURES

General advice : 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. Remove contaminated, soaked clothing immediately and dispose of safely.



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- Inhalation : Move the patient to fresh air and keep at rest. If symptoms persist, call a physician.
- Skin contact : Wash off immediately with soap and plenty of water. Seek medical aid if at all worried.
- Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : Do not induce vomiting. Wash out mouth with water. Keep at rest. Obtain medical attention.

Notes to physician

- Symptoms : Local:, To date no symptoms are known.
- Symptoms : Systemic:, To date no symptoms are known.
- Treatment : Local treatment:
Initial treatment should be symptomatic and supportive.
- Treatment : Systemic treatment:
Initial treatment should be symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : water spray jet
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 product or contaminated surfaces.
When dealing with a spillage do not eat, drink or smoke.
- Environmental precautions : Keep people and animals away.



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Do not discharge into the drains/surface water/groundwater.
If spillage enters drains leading to sewage works inform local water company immediately.
If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

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.
Take up with absorbent material (e.g. sand, earth or a proprietary absorbent material).
Shovel or sweep up.
Transfer collected material to heavy duty plastic drums and keep safe for disposal.
Clean contaminated floors and objects thoroughly, observing environmental regulations

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.
Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion : The product is combustible.

Storage

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
Store in a place accessible by authorized persons only.

Further information on storage conditions : Protect against heat and direct sunlight
Protect against moisture.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

Storage temperature : 0 - 30 °C

Suitable materials : Keep in original packaging, tightly closed.

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Refer to COSHH assessment (Control of substances Hazardous to Health Regulations 1999 as amended). Engineering controls should be used in preference to personal protective equipment wherever practicable.

Components with workplace control parameters

| Components | CAS-No. | Control parameters | Update | Basis |
|------------|---------|----------------------------|--------|----------|
| Glycerol | 56-81-5 | 10 mg/m ³ (TWA) | 2002 | EH40 OES |

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Chemical resistant gloves
PVC gloves
nitrile gloves
- Eye protection : Safety glasses, or face shield if necessary
- Skin and body protection : Light protective clothing, PVC
PVC boots
- Hygiene measures : When using, do not eat, drink or smoke.
Remove soiled clothing immediately.
Remove soaked clothing immediately.
Clean hands and face at work intervals and after work.
Work in an adequately ventilated room.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

- Form : gel
- Colour : brown
- Odour : odourless

Safety data

- Density : ca. 1.10 g/cm³ at 20 °C
- Water solubility : Note: partly soluble
- Partition coefficient (n-octanol/water) : log Pow: 2.31
Note: The value mentioned relates to the active ingredient hydramethylnon.
- Other information : Combustible pasty substance with a high flash point.



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10. STABILITY AND REACTIVITY

- Conditions to avoid : Note: Extremes of temperature and direct sunlight.
- Materials to avoid : None
- Hazardous reactions : No hazardous reactions when stored and handled according to prescribed instructions.
Note: Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50 (rat) > 5,000 mg/kg
- Acute dermal toxicity : LD50 (rabbit) > 2,000 mg/kg
- Skin irritation : rabbit
Result: slight irritant effect - does not require labelling
- Eye irritation : rabbit
Result: No eye irritation
- Sensitization : guinea pig
Result: non-sensitizing

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

- Bioaccumulation : Gambusia affinis (mosquito fish)
Bioconcentration factor (BCF): 100
Test substance: The value mentioned relates to the active ingredient hydramethylnon.

Ecotoxicity effects

- Toxicity to fish : LC50: 0.16 mg/l
Rainbow trout
Exposure time: 96 h
Test substance: The value mentioned relates to the active ingredient hydramethylnon.
- Toxicity to fish : LC50: 1.70 mg/l
Bluegill sunfish
Exposure time: 96 h
Test substance: The value mentioned relates to the active ingredient hydramethylnon.
- Toxicity to daphnia : EC50: 1.14 mg/l
Water flea (Daphnia magna)



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- Exposure time: 48 h
Test substance: The value mentioned relates to the active ingredient hydramethylnon.
- Toxicity to other organisms : LD50: 1,828 mg/kg
Bobwhite quail
Test substance: The value mentioned relates to the active ingredient hydramethylnon.
- Toxicity to other organisms : LD50: > 2,510 mg/kg
Mallard duck
Test substance: The value mentioned relates to the active ingredient hydramethylnon.

13. DISPOSAL CONSIDERATIONS

- Product : In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority
Can be landfilled or incinerated, when in compliance with local regulations.
Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).
- Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste.
Empty containers can be landfilled, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

14. TRANSPORT INFORMATION

- ADNR** : Not dangerous goods
- ADR** : Not dangerous goods
- IATA** : Not dangerous goods
- IMDG** : Not dangerous goods
- CDG CPL** : Not 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.

Hazardous components which must be listed on the label:

- Hydramethylnon



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Exceptional labelling of special preparations : Restricted to professional users.
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.

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

S-phrases(s) : S35 This material and its container must be disposed of in a safe way.

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 2:

R22 Harmful if swallowed.

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 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 will be highlighted in the margin. This version replaces all previous versions.