

**NEMACUR GR10 1X25KG DRM WW**Version 1 / EU
1020000068171/6
Revision Date: 09.05.2007
Print Date: 08.02.2010**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name NEMACUR GR10 1X25KG DRM WW
Product code (UVP) 00721735
Usage Nematicide, Insecticide
Company Bayer CropScience AG
Alfred-Nobel-Straße 50
40789 Monheim am Rhein
Germany

Telefax +49(0)2173-38-7394
Responsible Department Material and Transport Safety Management
+49(0)2173-38-3409/3189 (during business hours only)

Emergency telephone number +49(0)2133-51-4233 (Sicherheitszentrale Dormagen, Bayer AG)

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**Granule (GR)
Fenamiphos 10%**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Fenamiphos	22224-92-6 244-848-1	T+, N	R24, R28, R50/53	10,00

3. HAZARDS IDENTIFICATION**Risk advice to man and the environment**Toxic if swallowed.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**4. FIRST AID MEASURES****General advice**Move out of dangerous area. Place and transport victim in stable position (lying sideways).
Remove contaminated clothing immediately and dispose of safely.**Inhalation**Move to fresh air. Keep patient warm and at rest. Give oxygen or artificial respiration if needed.
Call a physician or poison control center immediately.**Skin contact**Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400,
subsequently rinse with water. If symptoms persist, call a physician.**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove



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contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.) Call a physician or poison control center immediately.

Notes to Physician

Symptoms

symptoms of cholinesterase inhibition (gastrointestinal disturbances, dyspnoea, narrowing of the respiratory passages, bradycardia, miosis, clonic spasms).

Treatment

Monitoring of respiratory, cardiac and central nervous system.
Observe specific parameters: red blood cell and plasma cholinesterase.
If ingested, irrigate the stomach using activated charcoal in addition.
Artificial respiration and/or oxygen may be necessary.
Against convulsions: give diazepam. For adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v.
Antidotes to be given atropin and pralidoxim/obidoxim.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray
Carbon dioxide (CO₂)
Foam
Sand

Specific hazards during fire fighting

In the event of fire the following can be released:
Hydrogen cyanide (hydrocyanic acid)
carbon monoxide (CO)
Oxides of phosphorus
Sulphur oxides
nitrogen oxides (NO_x)

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

Contain the spread of the fire-fighting media.
Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with spilled product or contaminated surfaces.
Use personal protective equipment.

Environmental Precautions

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



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Methods for Cleaning Up

Use mechanical handling equipment.
Clean contaminated floors and objects thoroughly, observing environmental regulations.
Keep in suitable, closed containers for disposal.

Additional Advice

Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling

Advice on safe handling

Use only in area provided with appropriate exhaust ventilation.

Storage

Requirements for storage areas and containers

Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in a place accessible by authorized persons only.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Suitable materials

aluminium composite film (min. 0,007 mm Aluminium)
Coextruded containers with an internal barrier layer made of polyamide (PA).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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	If product is handled while not enclosed, and if contact may occur: Wear respirator with a particle filter mask (protection factor 20 conforming to European Norm EN149FFP3 or EN140P3 or equivalent).
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).

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Hygiene measures

- Avoid contact with skin, eyes and clothing.
- Keep working clothes separately.
- Wash hands immediately after work, if necessary take a shower.
- Remove soiled clothing immediately and clean thoroughly before using again.
- Garments that cannot be cleaned must be destroyed (burnt).

Protective measures

- If product is handled while not enclosed, and if contact may occur:
- Complete suit protecting against chemicals

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	granular
Colour	beige
Odour	weak, characteristic

Safety data

pH	7,0 - 9,0 at 10 %
Water solubility	practically insoluble

10. STABILITY AND REACTIVITY

Thermal decomposition	from 150 °C , Heating rate: 3 K/min Measured in glass. The value mentioned relates to the active ingredient.
Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat) approx. 30 mg/kg
Acute Dermal Toxicity	LD50 (rat) > 5.000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	No eye irritation. (rabbit)

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to Fish	LC50 (Lepomis macrochirus (Bluegill sunfish)) 0,0093 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient.
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Toxicity to daphnia	EC50 (Water flea (Daphnia magna)) 0,0019 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient.
Toxicity to algae	IC50 (Desmodesmus subspicatus) > 10 mg/l Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient.

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.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION**ADR/RID/ADNR**

UN-No.	2783
Labels	6.1
Packaging group	II
Hazard no.	60
Description of the goods	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC (FENAMIPHOS MIXTURE)

IMDG

UN-No.	2783
Labels	6.1
Packaging group	II
EmS	F-A , S-A
Marine pollutant	Marine pollutant
Description of the goods	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC (FENAMIPHOS MIXTURE)

IATA

UN-No.	2783
Labels	6.1
Packaging group	II
Description of the goods	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC (FENAMIPHOS MIXTURE)

15. REGULATORY INFORMATION

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classification:

Labelling according to EC Directives

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Hazardous components which must be listed on the label:

- Fenamiphos

Symbol(s)

T	Toxic
N	Dangerous for the environment

R-phrases(s)

R25	Toxic if swallowed.
R50/53	Very toxic 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.
S37	Wear suitable gloves.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S57	Use appropriate container to avoid environmental contamination.

Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.

Further information

WHO-classification: Ib (Highly hazardous)

16. OTHER INFORMATION**Further information**

Text of R phrases mentioned in Section 2:

R24	Toxic in contact with skin.
R28	Very toxic if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information given in this Data Sheet has been included in accordance with the guidelines established by EC Directive 1991/155/EC as amended. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

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