

**KARAN 10KG**Version 1 / GB  
102000007614

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Revision Date: 03.06.2004  
Print Date: 03.06.2004**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product information**

Trade name KARAN 10KG  
Product code (UVP) 05365015  
Usage molluscicide  
Company Bayer CropScience Limited  
Hauxton  
Cambridge  
Cambridgeshire CB2 5HU  
Great Britain

Telephone +44(0)1223 870312  
Telefax +44(0)1223 872142  
Emergency telephone number 0800-220876 ( UK only )  
+44(0)1223-870312

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

Bait (ready for use) (RB)  
Methiocarb 3%

**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Methiocarb (mercaptodimethur (iso))	2032-65-7 217-991-2	T, N	R25, R50/53	3.00

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

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

**4. FIRST AID MEASURES****General advice**

This product contains an anticholinesterase compound. Do not use if under medical advice not to work with such compounds. Move out of dangerous area. If the patient is likely to become unconscious, place and transport in stable sideways position. Remove soiled or soaked clothing immediately.

**Skin contact**

Wash off immediately with soap and plenty of water.

**Eye contact**

In case of contact with eyes rinse thoroughly with water. Call a physician immediately.



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### Ingestion

Do not induce vomiting. Wash out mouth with water. Call a physician immediately.

### Notes to physician

#### Symptoms

Local: Temporary blurred vision due to contraction of the pupils (miosis) following contact with the eyes., Systemic: Sweating, salivation, flushing, dizziness, abdominal pain, discomfort in the chest, muscle twitching, convulsions, respiratory failure, nausea, headache, vomiting, diarrhoea, hypotensive effect, blurred vision

#### Treatment

Monitoring of respiratory, cardiac and central nervous system.

Monitoring of the blood picture.

Observe specific parameters: red blood cell and plasma cholinesterase.

ECG - monitoring (Electrocardiogram)

Endotracheal intubation should be done and gastric lavage performed, followed by administration of charcoal.

Keep airway clear, administer artificial respiration if necessary.

Against convulsions: Give diazepam: for adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v.

Treatment for adults: for all cases a high dose of atropine (2 to 4 mg) repeated every 10 to 15 minutes as needed.

Contraindications: oximes (pralidoxime, oblidoxime), succinyl choline, aminophylline

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## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

water spray  
carbon dioxide (CO<sub>2</sub>)  
foam  
sand

### Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.  
Use 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.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Avoid contact with spilled product or contaminated surfaces.  
Wear personal protective equipment. Unprotected persons must be kept away.

### Environmental precautions

Keep people and animals away.  
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).



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### Methods for cleaning up

Use mechanical handling equipment.  
Clean contaminated floors and objects thoroughly, observing environmental regulations  
Pack spilled material in suitable containers for recovery or disposal.

### Additional advice

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

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## 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

Keep container tightly closed.  
Store in a place accessible by authorized persons only.  
Keep only in the original container at temperature not exceeding 50 °C.

#### Advice on common storage

Keep away from food, drink and animal feedingstuffs.

#### Suitable materials

Only use containers that are approved specifically for the substance/ product.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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.

### Personal protective equipment

Respiratory protection	If product is handled while not enclosed, and if skin contact may occur: Full mask Multi-range filter ABEK/P2
Hand protection	PVC or other plastic material gloves
Eye protection	safety glasses with side-shields
Skin and body protection	Light protective clothing, PVC PVC boots

### Hygiene measures

Avoid contact with skin, eyes and clothing.  
Keep working clothes separately.  
Wash hands before breaks and at the end of workday.  
Remove soiled or soaked clothing immediately and clean thoroughly before using again.  
Garments that cannot be cleaned must be destroyed (burnt).

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form	solid, pellets
Colour	blue
Odour	slight, original odour

#### Safety data

Water solubility	at 20 °C insoluble, only capable of swelling
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### 10. STABILITY AND REACTIVITY

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

### 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 (rat) > 500 - < 1,000 mg/kg
Acute inhalation toxicity	LC50 (rat) > 0.224 mg/l Exposure time: 4 h Tested in the form of respirable fine dust. Highest attainable concentration.
Acute dermal toxicity	LD50 (rat) > 2,000 mg/kg
Skin irritation	non-irritant (rabbit)
Eye irritation	non-irritant (rabbit)
Sensitization	non-sensitizing (guinea pig) OECD 406, Buehler test

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

Toxicity to fish	LC50 (Lepomis macrochirus (Bluegill sunfish)) 0.65 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)) 0.0077 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient.
Toxicity to algae	IC50 (Desmodesmus subspicatus) 2.2 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 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 after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

**Waste key for the unused product**

020108 agrochemical waste containing dangerous substances

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

UN-No	<b>3077</b>
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (METHIOCARB MIXTURE)

**IMDG**

UN-No	<b>3077</b>
Class	9
Packaging group	III
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (METHIOCARB MIXTURE )

**IATA**

UN-No	<b>3077</b>
Class	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (METHIOCARB MIXTURE )

**UK 'Carriage' Regulations**

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UN-No	<b>3077</b>
Class	9
Packaging group	III
Hazard identification number	90
Emergency action code	2Z
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (METHIOCARB MIXTURE)

Classification according to 'The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2004' and any subsequent amendments.

**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:

- Methiocarb (mercaptodimethur (iso))

## Symbol(s)

Xn	Harmful
N	Dangerous for the environment

## R-phrase(s)

R22	Harmful if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## S-phrase(s)

S35	This material and its container must be disposed of in a safe way.
S57	Use appropriate containment to avoid environmental contamination.

## Exceptional labelling

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

## Further information

WHO-classification: III (Slightly hazardous)

**16. OTHER INFORMATION****Further information**

Text of R phrases mentioned in Section 2:

R25	Toxic if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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



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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.