



## FICAM D 21096 1X10KG GB

Version 3 / GB  
102000001385

1/7  
Revision Date: 23.02.2006  
Print Date: 14.06.2006

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product information

Trade name FICAM D 21096 1X10KG GB  
Product code (UVP) 05936500  
Usage insecticide  
Company Bayer Environmental Science  
230 Cambridge Science Park  
Milton Road  
Cambridge  
Cambridgeshire CB4 0WB  
Great Britain  
Telephone +44(0)1223 226500  
Telefax +44(0)1223 426240  
Emergency telephone number 0800-220876 (UK 24 hr)  
+44(0)1603-242424 (Overseas 24 hr)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature

Dustable powder (DP)  
Bendiocarb 1% w/w

#### Hazardous components

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Bendiocarb	22781-23-3 245-216-8	T, N	R21, R23/25, R50/53	1.00
Talc	14807-96-6 238-877-9			> 50.00

### 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

Remove contaminated clothing immediately and dispose of safely.

#### Inhalation

Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

#### Skin contact

Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison control center immediately.



**FICAM D 21096 1X10KG GB**

Version 3 / GB  
102000001385

2/7  
Revision Date: 23.02.2006  
Print Date: 14.06.2006

**Eye contact**

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

**Ingestion**

Call a physician or poison control center immediately. Rinse out mouth and give water in small gulps to drink. 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).

**Notes to Physician**

**Symptoms**

Local: May cause irritation to skin and mucous membranes.

**Symptoms**

Systemic: bradycardia/tachycardia, headache, sweating, discomfort in the chest, abdominal pain, muscle twitching, convulsions, breathing difficulties, blurred vision, nausea, lachrymation, salivation, flushing, dizziness, vomiting, diarrhoea, low blood pressure

**Risks**

This product contains an anticholinesterase compound. Do not use if under medical advice not to work with such compounds.

**Treatment**

Local treatment:  
Initial treatment should be symptomatic and supportive.

**Treatment**

Systemic treatment:  
Endotracheal intubation should be done and gastric lavage performed, followed by administration of charcoal.  
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.  
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  
Contraindications: derivatives of morphine.  
Recovery: spontaneous.

---

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

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

**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 diking area with sand or earth.



## FICAM D 21096 1X10KG GB

Version 3 / GB  
10200001385

3/7  
Revision Date: 23.02.2006  
Print Date: 14.06.2006

---

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions

Keep people away from and upwind of spill/leak.  
Avoid dust formation.  
Avoid contact with spilled product or contaminated surfaces.  
When dealing with a spillage do not eat, drink or smoke.

#### Environmental Precautions

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

Use approved industrial vacuum cleaner for removal.  
Keep in suitable, closed containers for disposal.  
Clean floors and contaminated objects with plenty of water.

#### 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.  
Avoid dust formation.  
Use only in area provided with appropriate exhaust ventilation.

##### Advice on protection against fire and explosion

During processing, dust may form explosive mixture in air.

#### 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.  
Keep away from heat.  
Keep away from direct sunlight.  
Protect against moisture.

##### Advice on common storage

Keep away from food, drink and animal feedingstuffs.

##### Storage stability

Storage temperature                      0 - 30 °C

---

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment))

**FICAM D 21096 1X10KG GB**Version 3 / GB  
1020000013854/7  
Revision Date: 23.02.2006  
Print Date: 14.06.2006

**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
Talc (Respirable dust.)	14807-96-6	1 mg/m <sup>3</sup> (TWA)	2005	EH40 WEL

## Additional Advice

OES for bendiocarb 0.2 mg/m<sup>3</sup> (WHO)**Personal protective equipment**

Respiratory Protection	Wear respirator conforming to EN149FFP1. 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 5 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.  
Remove soaked protective 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	powder
Colour	grey white
Odour	odourless

**Safety data**

Flash Point	not applicable
Bulk Density	500 - 700 kg/m <sup>3</sup>



**FICAM D 21096 1X10KG GB**

Version 3 / GB  
102000001385

5/7  
Revision Date: 23.02.2006  
Print Date: 14.06.2006

Water Solubility insoluble

---

**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 normal conditions.

---

**11. TOXICOLOGICAL INFORMATION**

Acute Oral Toxicity	LD50 (rat) 12,000 mg/kg
Acute Inhalation Toxicity	LC50 (rat) > 21.5 mg/l Exposure time: 6 h
Acute Dermal Toxicity	LD50 (rat) > 5,000 mg/kg
Skin Irritation	No skin irritation. (rabbit) Test conducted with a similar formulation.
Eye Irritation	No eye irritation. (rabbit) Test conducted with a similar formulation.
Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test Test conducted with a similar formulation.

---

**12. ECOLOGICAL INFORMATION**

**Elimination information (persistence and degradability)**

Bioaccumulation	Bluegill sunfish Bioconcentration factor (BCF): 6
-----------------	--

**Ecotoxicity effects**

Toxicity to Fish	LC50 (Cyprinodon variegatus (sheepshead minnow)) 0.86 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea (Daphnia magna)) 0.0377 mg/l Exposure time: 48 h
Toxicity to algae	EC50 (Pseudokirchneriella subcapitata) 0.408 mg/l Exposure time: 48 h

**Further information on ecology**



## FICAM D 21096 1X10KG GB

Version 3 / GB  
10200001385

6/7  
Revision Date: 23.02.2006  
Print Date: 14.06.2006

### Additional ecological information

The ecological data given are those of the active ingredient bendiocarb.

## 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.

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

### Contaminated packaging

Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.

Add washings to sprayer at time of filling.

Dispose of empty and cleaned packaging safely.

Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose.

Return large containers to supplier.

Follow advice on product label and/or leaflet.

### Waste key for the unused product

020108 agrochemical waste containing dangerous substances

## 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
UK 'Carriage' Regulations	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 and any subsequent amendments.

### Classification:

Labelling according to EEC Directive

### Hazardous components which must be listed on the label:

- Bendiocarb

### R-phrase(s)

R52/53

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

### || CLASSIFICATION ACCORDING TO SPECIFIC UK REGULATIONS:

### Classification:

|| Not classified



**FICAM D 21096 1X10KG GB**

Version 3 / GB  
102000001385

7/7  
Revision Date: 23.02.2006  
Print Date: 14.06.2006

Exceptional labelling

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:

R21	Harmful in contact with skin.
R23/25	Toxic by inhalation and 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 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.