

**BISCAYA**Version 1 / GB
10200007918

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Revision Date: 14.12.2005

Print Date: 14.07.2008

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

Trade name BISCAYA
Product code (UVP) 05683696
Usage insecticide
Company Bayer CropScience Limited
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**

Oil dispersion (OD)
Thiacloprid 240 g/l

Hazardous components

| Chemical Name | CAS-No. / EINECS-No. | Symbol(s) | R-phrases(s) | Concentration [%] |
|---|-----------------------|-----------|---------------------|-------------------|
| Thiacloprid | 111988-49-9 | Xn | R20/22, R40, R52/53 | 22.90 |
| Ethoxylated alcohol | | Xn | R22, R38, R41 | >= 2.00 - < 4.00 |
| 2-Ethylhexanol | 104-76-7 203-234-3 | Xi | R36/38 | >= 4.00 - < 7.00 |
| Alkylaryl sulfonate | 247-557-8 | Xi | R38, R41 | >= 6.00 - < 10.00 |
| 2-Ethylhexanol propylene ethyleneglycol ether | 64366-70-7 | Xn | R20, R52/53 | 20.00 |

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

Harmful if swallowed.
Limited evidence of a carcinogenic effect.
Irritating to eyes and skin.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES**General advice**

Move out of dangerous area. If the patient is likely to become unconscious, place and transport



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in stable sideways position. Remove soiled or soaked clothing immediately.

Inhalation

Move the patient to fresh air and keep at rest. Call a physician immediately.

Skin contact

Wash off immediately with soap and plenty of water. Take medical treatment.

Eye contact

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

Ingestion

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

Notes to Physician

Treatment

Elementary aid, decontamination and symptomatic treatment.

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 chloride (HCl)
hydrogen cyanide (hydrocyanic acid)
carbon monoxide (CO)
sulphur dioxide (SO₂)
nitrous gases (NO_x)

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.

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

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

Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material).

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

Keep container tightly closed in a dry and well-ventilated place.

Store in original container.

Store in a place accessible by authorized persons only.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Storage stability

Other data

The storage temperature should not exceed 50 °C.

Suitable materials

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

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.

Personal protective equipment

Respiratory Protection

Wear respirator conforming to EN140 type A filter.

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.

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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.

If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.

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 and/or soaked clothing immediately and clean thoroughly before using again.

Garments that cannot be cleaned must be destroyed (burnt).

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

| | |
|--------|------------------------|
| Form | suspension |
| Colour | white |
| Odour | slight, specific odour |

Safety data

| | |
|----------------------|-------------------------------------|
| Flash Point | 98 °C |
| Ignition temperature | 405 °C |
| Density | ca. 1.04 g/cm ³ at 20 °C |
| Water Solubility | dispersible |
| Surface tension | 33.7 mN/m |

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) > 0.846 mg/l Exposure time: 4 h (as aerosol) Highest attainable concentration. |

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| | |
|-----------------------|--|
| Acute Dermal Toxicity | LD50 (rat) > 4,000 mg/kg |
| Skin Irritation | Irritating to skin. (rabbit) |
| Eye Irritation | irritating (rabbit) Classification: Irritating to eyes. |
| Sensitization | Non-sensitizing. (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test |

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

| | |
|---------------------|---|
| Toxicity to Fish | LC50 (Lepomis macrochirus (Bluegill sunfish)) 25.2 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient. |
| Toxicity to daphnia | EC50 (Water flea (Daphnia magna)) >= 85.1 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient. |
| Toxicity to algae | IC50 (Desmodesmus subspicatus) 96.7 mg/l 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.
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 |

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| | |
|----------------------------------|---------------------|
| 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:

- Thioclopride

Symbol(s)

Xn Harmful

R-phrases(s)

R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R40 Limited evidence of a carcinogenic effect.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S36/37 Wear suitable protective clothing and gloves.

CLASSIFICATION ACCORDING TO SPECIFIC UK REGULATIONS:

The labelling information below is that which has been approved under 'The Control of Pesticides Regulations 1986' and/or 'Part III of the Food and Environment Protection Act 1985' and/or 'Plant Protection Product Regulations 1999' and any subsequent amendments and may differ from that indicated by any toxicological and/or other testing otherwise indicated in this 'Safety Data Sheet'.

Symbol(s)

Xn Harmful
N Dangerous for the environment

R-phrases(s)

R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R40 Limited evidence of a carcinogenic effect.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas.
S23 Do not breathe spray.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35 This material and its container must be disposed of in a safe way.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.



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Exceptional labelling

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

Further information

WHO-classification: II (Moderately hazardous)

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 2:

| | |
|--------|---|
| R20 | Harmful by inhalation. |
| R20/22 | Harmful by inhalation and if swallowed. |
| R22 | Harmful if swallowed. |
| R36/38 | Irritating to eyes and skin. |
| R38 | Irritating to skin. |
| R40 | Limited evidence of a carcinogenic effect. |
| R41 | Risk of serious damage to eyes. |
| R52/53 | Harmful 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.