

# Bayer CropScience

SAFETY DATA SHEET according to EC Directive 2001/58/EC



## PREMISE SC 200 1 L

Version 2 / D  
102000007309

1/6  
Revision Date: 28.05.2004  
Print Date: 20.01.2005

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

#### Product information

Trade name PREMISE SC 200 1 L  
Product code (UVP) 04869125, 05480981  
Usage insecticide  
Company Bayer CropScience AG  
Alfred-Nobel-Straße 50  
40789 Monheim  
Germany  
Telephone +49(0)69-305-5748  
Telefax +49(0)69-305-80950  
Responsible Department Material and Transport Safety Management  
+49(0)69-305-82369/12588

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

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature

Suspension concentrate (=flowable concentrate)(SC)  
Imidacloprid 200 g/l

#### Hazardous components

| Chemical Name | CAS-No. /<br>EINECS-No. | Symbol(s) | R-phrased(s) | Concentration [%] |
|---------------|-------------------------|-----------|--------------|-------------------|
| Imidacloprid  | 138261-41-3             | Xn        | R22, R52     | 18,30             |

### 3. HAZARDS IDENTIFICATION

#### Risk advice to man and the environment

Harmful if swallowed.

### 4. FIRST AID MEASURES

#### General advice

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.

#### Ingestion

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

#### Notes to physician

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### Treatment

Elementary aid, decontamination and symptomatic treatment.  
Monitoring of respiratory and cardiac functions  
Gastric lavage, then charcoal (carbo medicinalis) and sodium sulfate.

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## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

water spray  
carbon dioxide (CO<sub>2</sub>)  
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)  
nitrogen oxides (NO<sub>x</sub>)

### 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

Do not discharge into the drains/surface water/groundwater.

### Methods for cleaning up

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

Store in original container.

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Keep container tightly closed in a dry 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.

German storage class            12 Non Combustible Liquids

### Storage stability

Storage temperature            < 50 °C

Other data                        Do not store at temperatures below -10 °C.

### Suitable materials

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

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Personal protective equipment

Hand protection                PVC or other plastic material gloves

Eye protection                 safety glasses with side-shields

### 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                                liquid, suspension  
Colour                             white to light beige  
Odour                              slight, original odour

### Safety data

pH                                  7 - 8,5  
    (undiluted)

Flash point                        > 100 °C  
    DIN 51758

Density                             ca. 1,10 g/cm<sup>3</sup> at 20 °C

Water solubility                 miscible

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## 10. STABILITY AND REACTIVITY

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## 11. TOXICOLOGICAL INFORMATION

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|                           |  |
|---------------------------|--|
| Acute oral toxicity       | LD50 (rat) > 1.218 mg/kg   |
| Acute inhalation toxicity | LC50 (rat) > 2,238 mg/l<br>Exposure time: 4 h<br>(as aerosol)<br>Highest attainable concentration. |
| Acute dermal toxicity     | LD50 (rat) > 4.000 mg/kg   |
| Skin irritation           | non-irritant (rabbit)  |
| Eye irritation            | non-irritant (rabbit)  |
| Sensitization             | non-sensitizing (guinea pig)<br>OECD 406, Buehler test   |

**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

|                     |   |
|---------------------|---|
| Toxicity to fish    | LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) > 535 mg/l<br>Exposure time: 96 h   |
| Toxicity to daphnia | EC50 (Water flea ( <i>Daphnia magna</i> )) > 535 mg/l<br>Exposure time: 24 h            |
| Toxicity to algae   | IC50 ( <i>Desmodesmus subspicatus</i> ) > 1.000 mg/l<br>Growth rate Exposure time: 72 h |

**13. DISPOSAL CONSIDERATIONS****Product**

Dispose of by incineration in an authorised special waste incineration plant. Comply with local legislation.

For larger quantities contact manufacturer.

**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 |

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

Classification:

Labelling according to EEC Directive

Hazardous components which must be listed on the label:

- Imidacloprid

Symbol(s)

Xn Harmful

R-phrases(s)

R22 Harmful if swallowed.

Exceptional labelling

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

Further information

WHO-classification: II (Moderately hazardous)

**National legislation**

Risk classification according to BetrSichV (Germany) Not subject to the regulations on combustible liquids.

Water contamination class (Germany) WGK 1 slightly water endangering

Other regulations

BG Leaflet M050 "Handling of Hazardous Substances"

BG Leaflet M053 "General Protective Measures for the Handling of Hazardous Substances"

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

Text of R phrases mentioned in Section 2:

R22 Harmful if swallowed.

R52 Harmful to aquatic organisms.

The advice on classification in section 15 of this Safety Data Sheet is based on European Directive on Preparations (1999/45/EC and its subsequent adaptations). The legislation on pesticide preparations should be applied by EU Member States not later than 30 July 2004.

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.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

For further information on active ingredients see also: Wirkstoffe in Pflanzenschutz- und Schädlingsbekämpfungsmitteln: physikalisch-chemische und toxikologische Daten IVA. Industrieverb. Agrar e.V. - 3., neubearb. Aufl. - München; Wien; Zürich; BLV Verl.-Ges.mBH, 2000