



## PREMISE SC200

Version 4 / EU  
102000007309

1/10

Revision Date: 29.08.2013  
Print Date: 24.11.2014

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Trade name PREMISE SC200  
Product code (UVP) 04869125

1.2 Relevant identified uses of the substance or mixture and uses advised against  
Use Insecticide

#### 1.3 Details of the supplier of the safety data sheet

Supplier Bayer CropScience AG  
Alfred-Nobel-Straße 50  
40789 Monheim am Rhein  
Germany

Telefax +49(0)2173-38-7394  
Responsible Department Product Safety and Specification Management  
+49(0)2173-38-3409/3685 (during business hours only)  
Email: BCS-SDS@bayer.com

#### 1.4 Emergency telephone no.

Emergency telephone no. Global Incident Response Hotline (24h)  
+1 (760) 476-3964 (Company 3E for Bayer CropScience)

#### Local Distributor

Bayer Co. (Malaysia) Sdn Bhd  
Unit T1-14, Tower 1, Jaya 33,  
No. 3, Jalan Semangat, Seksyen 13,  
46200 Petaling Jaya, Selangor, Malaysia  
Tel: +603-6209 3088  
Fax: +603-7960 5718

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Acute toxicity: Category 4

H302 Harmful if swallowed.

Acute aquatic toxicity: Category 1

H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1

H410 Very toxic to aquatic life with long lasting effects.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn Harmful, R22

N Dangerous for the environment, R50/53

#### 2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

Hazardous components which must be listed on the label:

**PREMISE SC200**Version 4 / EU  
1020000073092/10  
Revision Date: 29.08.2013  
Print Date: 24.11.2014

- Imidacloprid



Signal word: Warning

**Hazard statements**

H302 Harmful if swallowed.  
 H410 Very toxic to aquatic life with long lasting effects.  
 EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.  
 P501 Dispose of contents/container in accordance with local regulation.

**2.3 Other hazards**

No other hazards known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Chemical nature**

Suspension concentrate (=flowable concentrate)(SC)

Imidacloprid 200 g/l

**Hazardous components**

R-phrases according to EC directive 67/548/EEC

Hazard statements according to Regulation (EC) No. 1907/2006

Name	CAS-No. / EC-No.	Classification		Conc. [%]
		EC Directive 67/548/EEC	Regulation (EC) No 1272/2008	
Imidacloprid	138261-41-3 428-040-8	Xn; R22 N; R50/53	Acute Tox. 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	18,30
Glycerine	56-81-5 200-289-5	Not classified	Not classified	> 1,00

**Further information**

Imidacloprid	138261-41-3	M-Factor: 10 (acute)
--------------	-------------	----------------------

Substances which do not meet the classification criteria according to Directive 67/548/EEC as amended:

Glycerine (56-81-5): Substance with an EU indicative Occupational Exposure Limit value (OEL) below the threshold value for reporting.

For the full text of the R-phrases/ Hazard statements mentioned in this Section, see Section 16.



## PREMISE SC200

Version 4 / EU  
102000007309

3/10

Revision Date: 29.08.2013

Print Date: 24.11.2014

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

<b>General advice</b>	Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.
<b>Skin contact</b>	Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	If large amounts are ingested, the following symptoms may occur: Dizziness, Nausea, Abdominal pain
	Symptoms and hazards refer to effects observed after intake of significant amounts of the active ingredient(s).

#### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Treatment</b>	Treat symptomatically. Monitor: respiratory and cardiac functions. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. There is no specific antidote.
------------------	--

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

<b>Suitable</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable</b>	High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

In the event of fire the following may be released: Hydrogen chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Nitrogen oxides (NOx)

#### 5.3 Advice for firefighters

<b>Special protective equipment for fire-fighters</b>	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
<b>Further information</b>	Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.



**PREMISE SC200**Version 4 / EU  
102000007309

4/10

Revision Date: 29.08.2013

Print Date: 24.11.2014

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

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

**6.2 Environmental precautions** Do not allow to get into surface water, drains and ground water.

**6.3 Methods and materials for containment and cleaning up**

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

**Advice on safe handling** Use only in area provided with appropriate exhaust ventilation.

**Advice on protection against fire and explosion** No special precautions required.

**Hygiene measures** Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

**7.2 Conditions for safe storage, including any incompatibilities**

**Requirements for storage areas and containers** Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Store in original container. Keep away from direct sunlight.

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

**Suitable materials** HDPE (high density polyethylene)

**7.3 Specific end uses** Refer to the label and/or leaflet.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Imidacloprid	138261-41-3	0,7 mg/m <sup>3</sup> (TWA)		OES BCS*

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**PREMISE SC200**Version 4 / EU  
102000007309

5/10

Revision Date: 29.08.2013

Print Date: 24.11.2014

**8.2 Exposure controls****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**

Not required; except in case of aerosol formation. 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 coveralls and Category 3 Type 6 suit. If there is a risk of significant exposure, consider a higher protective type 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. 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.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Form	suspension
Colour	white to light beige
Odour	weak, characteristic
pH	7,0 - 8,5 at 100 % (23 °C)
Flash point	No flash point - Determination conducted up to the boiling point.
Autoignition temperature	405 °C
Density	ca. 1,10 g/cm <sup>3</sup> at 20 °C
Water solubility	miscible
Partition coefficient: n-octanol/water	Imidacloprid: log Pow: 0,57



## PREMISE SC200

Version 4 / EU  
102000007309

6/10

Revision Date: 29.08.2013

Print Date: 24.11.2014

Viscosity, dynamic	400 - 800 mPa.s at 23 °C Velocity gradient 7,5 /s
Surface tension	48,9 mN/m
Explosivity	Not explosive 92/69/EEC, A.14 / OECD 113
9.2 Other information	Further safety related physical-chemical data are not known.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Thermal decomposition	210 °C Exothermic decomposition. The value mentioned relates to the active ingredient.
-----------------------	--

10.2 Chemical stability	Stable under recommended storage conditions.
-------------------------	--

10.3 Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.
---	--

10.4 Conditions to avoid	Extremes of temperature and direct sunlight.
--------------------------	--

10.5 Incompatible materials	Store only in the original container.
-----------------------------	---------------------------------------

10.6 Hazardous decomposition products	No decomposition products expected under normal conditions of use.
---------------------------------------	--

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute oral toxicity	LD50 (rat) > 1.218 mg/kg
Acute inhalation toxicity	LC50 (rat) > 2,238 mg/l Exposure time: 4 h Determined in the form of a respirable aerosol. Highest attainable concentration.
Acute dermal toxicity	LD50 (rat) > 4.000 mg/kg
Skin irritation	No skin irritation (rabbit)
Eye irritation	No eye irritation (rabbit)
Sensitisation	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test
Assessment repeated dose toxicity	



**PREMISE SC200**Version 4 / EU  
102000007309

7/10

Revision Date: 29.08.2013

Print Date: 24.11.2014

Imidacloprid did not cause specific target organ toxicity in experimental animal studies.

**Assessment Mutagenicity**

Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

**Assessment Carcinogenicity**

Imidacloprid was not carcinogenic in lifetime feeding studies in rats and mice.

**Assessment toxicity to reproduction**

Imidacloprid caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Imidacloprid is related to parental toxicity.

**Assessment developmental toxicity**

Imidacloprid caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Imidacloprid are related to maternal toxicity.

---

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity****Toxicity to fish**

LC50 (Rainbow trout (*Oncorhynchus mykiss*)) > 535 mg/l  
Exposure time: 96 h

**Toxicity to aquatic invertebrates**

EC50 (Water flea (*Daphnia magna*)) > 535 mg/l  
Exposure time: 24 h

EC50 (*Chironomus riparius* (non-biting midge)) 0,0552 mg/l  
Exposure time: 24 h  
The value mentioned relates to the active ingredient.

**Toxicity to aquatic plants**

IC50 (*Desmodium subspicatus*) > 1.000 mg/l  
Growth rate; Exposure time: 72 h

**12.2 Persistence and degradability****Biodegradability**

Imidacloprid: not rapidly biodegradable

**Koc**

Imidacloprid: Koc:225

**12.3 Bioaccumulative potential****Bioaccumulation**

Imidacloprid:  
Does not bioaccumulate.

**12.4 Mobility in soil****Mobility in soil**

Imidacloprid: Moderately mobile in soils

**12.5 Results of PBT and vPvB assessment**

**PREMISE SC200**Version 4 / EU  
102000007309

8/10

Revision Date: 29.08.2013

Print Date: 24.11.2014

**PBT and vPvB assessment** Imidacloprid: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

**12.6 Other adverse effects**  
**Additional ecological information** No other effects to be mentioned.

---

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

<b>Product</b>	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.
<b>Contaminated packaging</b>	Not completely emptied packagings should be disposed of as hazardous waste.
<b>Waste key for the unused product</b>	<b>020108</b> agrochemical waste containing dangerous substances

---

**SECTION 14: TRANSPORT INFORMATION****ADR/RID/ADN**

14.1 UN number	<b>3082</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMIDACLOPRID SOLUTION)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Hazard no.	90
Tunnel Code	E

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

**IMDG**

14.1 UN number	<b>3082</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMIDACLOPRID SOLUTION)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Marine pollutant	YES

**IATA**





## PREMISE SC200

Version 4 / EU  
102000007309

9/10

Revision Date: 29.08.2013

Print Date: 24.11.2014

14.1 UN number	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMIDACLOPRID SOLUTION )
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES

### 14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No transport in bulk according to the IBC Code.

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Further information

WHO-classification: II (Moderately hazardous)

### 15.2 Chemical Safety Assessment

A chemical safety assessment is not required.

## SECTION 16: OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R22	Harmful if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of the hazard statements mentioned in Section 3

H302	Harmful if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 453/2010 amending Regulation (EU) No 1907/2006 (and any subsequent amendments). 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.

Reason for Revision: Safety Data Sheet according to Regulation (EU) No. 453/2010.



## PREMISE SC200

Version 4 / EU  
102000007309

10/10

Revision Date: 29.08.2013

Print Date: 24.11.2014

## II

### Section 12. Ecological information.

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