



## MATERIAL SAFETY DATA SHEET PREMISE SC 350

Date: 14.9.2010

### 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product information: PREMISE 350 SC  
Company  
LIAD CHEMICALS LTD  
West ind. Zone  
P.O.B 1010  
Bet shemesh  
99103

### 2. HAZARDS IDENTIFICATION

#### Risk advice to man and the environment

Harmful if swallowed.

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature

Suspension concentrate (=flowable concentrate)(SC)

#### Hazardous components

<u>Chemical Name</u>	<u>CAS-No. / EC-No.</u>	<u>Symbol(s)</u>	<u>R-phrase(s)</u>	<u>Concentration %</u>
Imidacloprid	138261-41-3 428-040-8	Xn, N	R22, R50/53	30.5
Glycerine	56-81-5 200-289-5			1.0

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



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### 4. FIRST AID MEASURES

#### General advice

Move out of dangerous area. Place and transport victim in stable position (lying sideways).  
Remove contaminated clothing immediately and dispose of safely.

#### Skin contact

Wash off thoroughly with plenty of soap and water, if available with Polyethyleneglycol 400,  
Subsequently rinse with water. If symptoms persist, call a physician.

#### Eye contact

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.

#### Ingestion

Call a physician or poison control center immediately. Rinse mouth. 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

##### Treatment

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.



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### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

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

#### Extinguishing media which should not be used for safety reasons

High volume water jet

#### Specific hazards during fire fighting

In the event of fire the following may be released:

Carbon monoxide (CO)

Hydrogen chloride (HCl)

Hydrogen cyanide (hydrocyanic acid)

Nitrogen oxides (NO<sub>x</sub>)

#### Special protective equipment for fire fighters

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

In the event of fire, wear self-contained 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.

Use personal protective equipment.



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### Environmental Precautions

Do not allow getting into surface water, drains and ground water.

### Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Clean contaminated floors and objects thoroughly, observing environmental regulations.  
Keep in suitable, closed containers for disposal.

### Additional Advice

Information regarding safe handling, see section 7.

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 containers tightly closed in a dry, cool and well-ventilated place.

Store in original container.

Store in a place accessible by authorized persons only.

Keep away from direct sunlight.

### Advice on common storage

Keep away from food, drink and animal feeding stuffs.

Temperature tolerance	min.	max.
	-10 C	40 C

Suitable materials

HDPE (high density polyethylene)



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

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

#### 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

Wear respirator with an organic vapors and gas filter mask (protection factor 10) conforming to EN140 type A or equivalent.

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.

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.



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### 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).

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance  
Form liquid, suspension  
Color white  
Odor weak, characteristic

### Safety data

Flash point Not relevant; aqueous solution  
Density approx. 1,15 g/cm at 20 C  
Water solubility miscible

### 10. STABILITY AND REACTIVITY

#### 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) 768 mg/kg  
Test conducted with a similar formulation.



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<b>Acute Inhalation Toxicity</b>	LC50 (rat) > 1,752 mg/l Exposure time: 4 h Test conducted with a similar formulation.
<b>Acute Dermal Toxicity</b>	LD50 (rat) > 5.000 mg/kg Test conducted with a similar formulation.
<b>Skin Irritation</b>	No skin irritation. (rabbit) Test conducted with a similar formulation.
<b>Eye Irritation</b>	No eye irritation. (rabbit) Test conducted with a similar formulation.
<b>Sensitization</b>	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test Test conducted with a similar formulation.

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

**Toxicity to Fish** C50 (Rainbow trout (*Oncorhynchus mykiss*)) 211 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient Imidacloprid.

**Toxicity to daphnia** EC50 (Water flea (*Daphnia magna*)) 85 mg/l  
Exposure time: 48 h  
The value mentioned relates to the active ingredient imidacloprid.



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<b>Toxicity to daphnia</b>	LC50 (Chironomus riparius (non-biting midge)) 0,0552 mg/l Exposure time: 24 h The value mentioned relates to the active ingredient Imidacloprid.
<b>Toxicity to algae</b>	EC50 (Desmodesmus subspicatus) > 10 mg/l Growth rate; Exposure time: 72 h The value mentioned relates to the active ingredient Imidacloprid.

### 13. DISPOSAL CONSIDERATIONS

#### Product

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.

#### Contaminated packaging

Not completely emptied packaging should be disposed of as hazardous waste.

#### Waste key for the unused product

020108 agrochemical waste containing dangerous substances

### 14. TRANSPORT INFORMATION

#### ADR/RID/ADNR

UN-Number	3082
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMIDACLOPRID SOLUTION)
Tunnel Code	E

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

### IMDG

UN-Number	3082
Labels	9
Packaging group	III
EmS	F-A , S-F
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMIDACLOPRID SOLUTION)

### IATA

UN-Number	3082
Labels	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMIDACLOPRID SOLUTION )

### 15. REGULATORY INFORMATION

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

#### Classification:

Labelling according to EC Directives

Hazardous components that must be listed on the label:

Imidacloprid

Symbol(s)

Xn	Harmful
N	Dangerous for the environment



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R-phrase(s)  
R22 Harmful if swallowed.  
R50/53 Very 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 container to avoid environmental contamination.

### 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

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.

The information given in this Data Sheet has been included in accordance with the guidelines established by Regulation (EC) 1907/2006. 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.

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