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<b>KOHINOR 350 SC</b>		<b>R-17546</b>

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

**Trade name** : KOHINOR 350 SC  
**Common name of active ingredients** : imidacloprid  
**Use** : Insecticide  
**Company identification** : Makhteshim Agan SA (Pty) Ltd  
 21 Viben Street Brackenfell 7560  
 PO Box 498 Brackenfell 7561  
  
 Member of Makhteshim Agan Industries Group  
**Emergency phone nr** : +27-21-9821460

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS No	EC No	Index No	Classification
Imidacloprid	350 g/l	138261-41-3	428-040-8	-----	Xn; R22 R52

### 3. HAZARDS IDENTIFICATION

**Human Health Hazards** : Harmful if swallowed.  
**Environmental hazard** : Harmful to aquatic organisms.

### 4. FIRST AID MEASURES

**First aid**  
**Inhalation** : Remove victim to fresh air. Keep victim warm and at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediately get medical attention.  
**Ingestion** : Do not induce vomiting. Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediately get medical attention.  
**Skin contact** : Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse. Obtain medical attention.  
**Eye contact** : Wash off with plenty of water. Consult an eye specialist .  
**Note to physician** : No specific antidote known. Treat symptomatically and give supportive therapy.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media** : Water spray , foam , dry chemical , carbon dioxide , sand .  
**Special procedures** : Exercise caution when fighting any chemical fire. Fight fire in early stages if safe to do so. Dike fire control water for later disposal. .  
**Special exposure hazards** : Thermal decomposition generates : hydrogen chloride , hydrogen cyanide , carbon monoxide , nitrogen oxides .  
**Protection against fire** : Wear proper protective equipment. Face mask with ABEK-P2 filter.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Use appropriate protection (see section 8).  
**Environmental precautions** : Prevent entry to sewers and public waters. Do not discharge into the environment . Notify authorities if product enters sewers or public waters.  
**After spillage and/or leakage** : Clean up any spills as soon as possible, using an absorbent material to collect it.

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### 6. ACCIDENTAL RELEASE MEASURES (continued)

Collect and contain as much free liquid as possible. Use suitable disposal containers.

### 7. HANDLING AND STORAGE

- Handling** : Use only in well ventilated areas.
- Storage** : Keep out of the reach of children . Keep away from food, drink and animal feedingstuffs . Store in dry, cool, well-ventilated area. Keep at temperature not exceeding 40 °C . Avoid temperatures below -10 °C .
- Packing** : High density polyethylene .

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Industrial hygiene** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Wash clothing before re-using. Wash hands thoroughly after handling.
- **Respiratory protection** : Filter mask .
  - **Skin protection** : Wear suitable protective clothing
  - **Hand protection** : Wear suitable gloves.
  - **Eye protection** : Chemical goggles or safety glasses.

### 9. PHYSICAL AND CHEMICAL PROPERTIES



- Physical state** : Liquid - suspension
- Colour** : White
- Odour** : Slight characteristic
- pH value** : 7.0-8.5
- Density** : 1.15 g/cm<sup>3</sup> ( at a temperature of 20 °C )
- Viscosity** : 45-55 sec. at 20 °C
- Solubility in water** : Miscible.
- Flash point [°C]** : >100

### 10. STABILITY AND REACTIVITY

- Hazardous decomposition products** : Thermal decomposition generates : carbon dioxide , carbon monoxide , nitrogen oxides , chlorides .
- Hazardous Polymerization** : Will not occur.
- Materials to avoid** : strong acids , bases
- Conditions to avoid** : Direct sunlight , heat , open flame .

### 11. TOXICOLOGICAL INFORMATION

- Toxicity information** : Based on data of a similar product
- Rat oral LD50 [mg/kg]** : 768 ( male ), 1042 ( female )
- Rat dermal LD50 [mg/kg]** : >5000
- Rat inhalation LC50 [mg/l/4h]** : >1.752 ( Maximum concentration attainable )  
( Not adequate for classification )
- Dermal irritation (rabbit)** : Not irritating
- Eyes irritation (rabbit)** : Not irritating

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### 11. TOXICOLOGICAL INFORMATION (continued)

**Sensitization** : Buehler method : Non sensitizer

### 12. ECOLOGICAL INFORMATION

**Ecological effects information** : No ecological information is known on the product. The data below are for Imidacloprid ( active ingredient ) ;

**96 H-LC50 - Rainbow trout [mg/l]** : 211

**48 H-EC50 - Daphnia magna [mg/l]** : 85

**72H - IC50 - Algae [mg/l]** : >100 (Selenastrum Capricornutum)

### 13. DISPOSAL CONSIDERATIONS

**Disposal** : Avoid release to the environment.  
Dispose in a safe manner in accordance with local/national regulations.

### 14. TRANSPORT INFORMATION

Not classified.

### 15. REGULATORY INFORMATION

**EU Classification** : This product is provisionally labelled by the supplier in accordance to the EU regulations;

**Symbol(s)**



**R Phrase(s)**

: Xn: Harmful.  
: R22 - Harmful if swallowed.  
: R52 - Harmful to aquatic organisms.

**S Phrase(s)**

: S02 - Keep out of the reach of children.  
: S13 - Keep away from food, drink and animal feedingstuffs.  
: S20/21 - When using, do not eat, drink or smoke.  
: 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.


### 16. OTHER INFORMATION

**Recommended uses and restrictions** : Insecticide

*Text of R-phrases in heading 2* : R22 - Harmful if swallowed.  
: R52 - Harmful to aquatic organisms.

**Print date** : 18/4/2005

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<b>16. OTHER INFORMATION (continued)</b>
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