

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 26.04.2012

Revision: 25.02.2010

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** *Magister 200SC*
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** *Agricultural Insecticide*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Gowan Comércio Internacional e Serviços, Limitada*  
*Avenida do Infante 50*  
*9004-521 Funchal, Madeira*  
*Portugal*  
*Telephone: +351 291 232 484*  
*Fax: +351 291 232 459*
- **Further information obtainable from:** *sds@gowanco.com*
- **Emergency telephone number:** *Telephone (24 hour emergency) +44 (0) 1865 407333*

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

*Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.*



GHS07

*Acute Tox. 4 H302 Harmful if swallowed.*

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

*R22: Harmful if swallowed.*



N; Dangerous for the environment

*R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

- **Information concerning particular hazards for human and environment:**

*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*

- **Classification system:**

*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

*The product is classified and labelled according to the CLP regulation.*

- **Hazard pictograms** GHS07, GHS09

- **Signal word** *Warning*

- **Hazard-determining components of labelling:**

*4-[2-[4-(1,1-dimethylethyl)phenyl]-ethoxy]quinazoline*

- **Hazard statements**

*H302 Harmful if swallowed.*

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*H411 Toxic to aquatic life with long lasting effects.***· Precautionary statements***P101 If medical advice is needed, have product container or label at hand.**P102 Keep out of reach of children.**P103 Read label before use.**P273 Avoid release to the environment.**P264 Wash thoroughly after handling.**P270 Do not eat, drink or smoke when using this product.**P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.**P330 Rinse mouth.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.***· Other hazards****· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.

### 3 Composition/information on ingredients

**· Chemical characterization: Mixtures****· Description:** Mixture of substances listed below with nonhazardous additions.**· Dangerous components:**

CAS: 120928-09-8	4-[2-[4-(1,1-dimethylethyl)phenyl]-ethoxy]quinazoline	18,32%
ELINCS: 410-580-0	 T R25;  Xn R20;  N R50/53	
Index number: 613-159-00-1	 Acute Tox. 3, H301;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H332	

**· Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

**· Description of first aid measures****· General information:***Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.***· After inhalation:** Supply fresh air; consult doctor in case of complaints.**· After skin contact:** Generally the product does not irritate the skin.**· After eye contact:** Rinse opened eye for several minutes under running water.**· After swallowing:** Call for a doctor immediately.**· Information for doctor:****· Most important symptoms and effects, both acute and delayed** No further relevant information available.**· Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Firefighting measures

**· Extinguishing media****· Suitable extinguishing agents:***CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.***· Special hazards arising from the substance or mixture** No further relevant information available.

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- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation (see Section 8 if this is not possible). Avoid contamination with chemical; wear personal protective equipment (see Section 8). Keep people and animals away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.

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**· Respiratory protection:**

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

**· Protection of hands:**

Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

**· Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

**· Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

**· Eye protection:** Goggles recommended during refilling

## 9 Physical and chemical properties

**· Information on basic physical and chemical properties****· General Information****· Appearance:**

<b>Form:</b>	Opaque liquid
<b>Colour:</b>	Pale brown
<b>Odour:</b>	Non-distinctive chemical odor

**· pH-value at 20°C:** 7,8

**· Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** > 100°C

**· Flash point:** Not applicable.

**· Self-igniting:** Product is not selfigniting.

**· Danger of explosion:** Product does not present an explosion hazard.

**· Density at 20°C:** 1,08 g/cm<sup>3</sup>

**· Solubility in / Miscibility with water:**

*Not miscible or difficult to mix.*

**· Solvent content:**

<b>Organic solvents:</b>	0,0 %
<b>VOC (EC)</b>	0,00 %

**Solids content:** 100,0 %

**· Other information** No further relevant information available.

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### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

Oral	LD50	>350 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4 h	1,1 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Moderately irritating
- **on the eye:** Mildly irritating
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Harmful

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability**  
The major route of degradation is by photolysis and photo degradation. Half-life in soils is dependent on soil type and conditions and is approximately 28-112 days. Tightly bound to soil and is extremely resistant to leaching and elution.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **Other adverse effects** No further relevant information available.**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- |   |  |
|---|--|
| · <b>UN-Number</b>  |  |
| · <b>ADR, IMDG, IATA</b>  | 2902   |
| · <b>UN proper shipping name</b>  |  |
| · <b>ADR</b>  | 2902 PESTICIDE, LIQUID, TOXIC, N.O.S. (Fenazaquin)   |
| · <b>IMDG, IATA</b>   | PESTICIDE, LIQUID, TOXIC, N.O.S. (contains Fenazaquin)   |
| · <b>Transport hazard class(es)</b>   |  |
| · <b>ADR</b>  |  |
|   |                            |
| · <b>Class</b>  | 6.1 Toxic substances.  |
| · <b>Label</b>  | 6.1  |
| · <b>IMDG</b>   |  |
|  |                           |
| · <b>Class</b>  | 6.1 Toxic substances.  |
| · <b>Label</b>  | 6.1  |
| · <b>IATA</b>   |  |
|  |  |
| · <b>Class</b>  | 6.1 Toxic substances.  |
| · <b>Label</b>  | 6.1  |
| · <b>Packing group</b>  |  |
| · <b>ADR, IMDG, IATA</b>  | III  |
| · <b>Environmental hazards:</b>   | Product contains environmentally hazardous substances: 4-[2-[4-(1,1-dimethylethyl)phenyl]-ethoxy]quinazoline |
| · <b>Marine pollutant:</b>  | Yes<br>Symbol (fish and tree)  |

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· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special precautions for user</b>	Warning: Toxic substances.
· <b>Danger code (Kemler):</b>	60
· <b>EMS Number:</b>	F-A, S-A
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Tunnel restriction code</b>	E
· <b>UN "Model Regulation":</b>	UN2902, PESTICIDE, LIQUID, TOXIC, N.O.S., 6.1, III

### 15 Regulatory information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H301 Toxic if swallowed.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

R20 Harmful by inhalation.

R25 Toxic if swallowed.

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

- **Department issuing MSDS:** supply chain

- **Contact:** sds@gowanco.com

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent