

# SAFETY DATA SHEET



## Magister

Version 2.0

Revision Date 09.04.2013

Ref. 130000029386

This SDS adheres to the standards and regulatory requirements of India and may not meet the regulatory requirements in other countries.

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

#### Product information

Trade name : Magister

Use of the Substance/Mixture : Insecticide

Information on manufacturer/Supplier :  
Importer/Local Agent : E. I. DuPont India Pvt. Ltd.  
Contact : 7th Floor, Tower C, DLF Cyber Greens, Sector 25A, DLF City Phase III,  
Gurgaon - 122002, Haryana  
India

Telephone : +91-124-2540900  
Telefax : +91-124-2540889 / 90 / 91 / 92  
Emergency telephone number : +91-124-4092888 / +91-124-2353777

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : B11875503

#### Components

Chemical Name	CAS-No.	Concentration
Fenazaquin	120928-09-8	10.21 %
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	64742-94-5	81.79 %
Other Ingredients		8 %

### 3. HAZARDS IDENTIFICATION

#### Risks

Harmful if swallowed.

Irritating to skin.

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

#### Safety data

Keep out of the reach of children.

Wear suitable gloves.

Use appropriate container to avoid environmental contamination.

This material and its container must be disposed of as hazardous waste.

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.



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### 4. FIRST AID MEASURES

- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
- Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary.
- Skin contact : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- Eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Ingestion : Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.

### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray, Dry chemical, Foam, Carbon dioxide (CO<sub>2</sub>)
- Extinguishing media which shall not be used for safety reasons : High volume water jet, (contamination risk)
- Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.
- Environmental precautions : Prevent material from entering sewers, waterways, or low areas.
- Methods for cleaning up : Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.
- If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.



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Additional advice : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

### 7. HANDLING AND STORAGE

#### Handling

Advice on safe handling : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

#### Storage

Requirements for storage areas and containers : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

No information available.

#### Engineering measures

Ensure adequate ventilation.

#### Personal protective equipment

Respiratory protection : Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.

Hand protection : Material: Protective gloves

Eye protection : Wear protective eyewear to prevent contact with this substance.

Skin and body protection : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.

Hygiene measures : Do not breathe vapor or mist. Avoid contact with skin, eyes and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Protective measures : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash



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PPE separately from other laundry. Use this product in accordance with its label.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Colour	: yellow
pH	: no data available
Flash point	: > 100 °C not applicable
Density	: 1.004 g/cm <sup>3</sup>

### 10. STABILITY AND REACTIVITY

Conditions to avoid	: Avoid open flames and high temperatures.
Materials to avoid	: Strong oxidizing agents, Acids and bases
Hazardous decomposition products	: No information available.
Hazardous reactions	: Polymerization will not occur. Stable at normal temperatures and storage conditions.

### 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50/rat : 410 - 511 mg/kg
Acute inhalation toxicity	: LC50/4 h/rat : 2.7 mg/l
Acute dermal toxicity	: LD50/rabbit : > 5,000 mg/kg
Skin irritation	
• Fenazaquin	: rabbit Classification: Not classified as irritant Result: No skin irritation
Eye irritation	
• Fenazaquin	: rabbit Classification: Irritating to eyes. Result: irritating
Sensitisation	: guinea pig Result: Animal test did not cause sensitization by skin contact.
Repeated dose toxicity	
• Fenazaquin	: Oral multiple species No adverse effect has been observed in chronic toxicity tests.



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### Mutagenicity assessment

- Fenazaquin : Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

### Carcinogenicity assessment

- Fenazaquin : Animal testing did not show any carcinogenic effects.

### Toxicity to reproduction assessment

- Fenazaquin : Animal testing showed no reproductive toxicity.

### Assessment teratogenicity

- Fenazaquin : Animal testing showed no developmental toxicity.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to fish : LC50//Fish: < 1 mg/l

### Toxicity to algae

- Fenazaquin : EC50/72 h/Pseudokirchneriella subcapitata (green algae): 8.9 mg/l

EC50/96 h/Desmodesmus subspicatus (green algae): 9.9 mg/l

### Aquatic toxicity

: EC50//Daphnia magna (Water flea): < 1 mg/l

### Further information on ecology

Additional ecological information : See product label for additional application instructions relating to environmental precautions.

## 13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations.

Do not contaminate water, food or feed by disposal. Refer to the product label for instructions. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Contaminated packaging : Do not re-use empty containers.



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### 14. TRANSPORT INFORMATION

#### IMDG

UN number : 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Fenazaquin)  
 Class : 9  
 Packing group : III  
 Labelling No. : 9  
 Marine pollutant : yes (Fenazaquin)

#### IATA\_C

UN number : 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Fenazaquin)  
 Class : 9  
 Packing group : III  
 Labelling No. : 9MI

Hazchem Code : .3Z

### 15. REGULATORY INFORMATION

#### National regulatory information

Product subject to regulatory requirements under the Insecticides Act, 1968 and Insecticides Rules, 1971

#### Regulations in other countries

Symbol(s) : Xn Harmful  
 N Dangerous for the environment

Hazardous components : Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified  
 4-[2-[4-(1,1-dimethylethyl)phenyl]-ethoxy]quinazoline

R-phrase(s) : R22 Harmful if swallowed.  
 R38 Irritating to skin.  
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) : S 2 Keep out of the reach of children.  
 S37 Wear suitable gloves.  
 S57 Use appropriate container to avoid environmental contamination.  
 S60 This material and its container must be disposed of as hazardous waste.  
 S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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**16. OTHER INFORMATION****Sources of key data used to compile the Safety Data Sheet:**

1. The Factories Act, 1948, The Second Schedule: Permissible levels of certain chemical substances in work environment, as amended through April, 2001
2. Manufacture, Storage and Import of Hazardous Chemical Rules 1989, as amended through January 2000
3. Insecticide Act, 1968 (46 of 1968, Dt. 2-9-1968)
4. Insecticide Rule, 1971 (GSR 1650, Dt. 9-10-1971)

**Department:**

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7th Floor, Tower C, DLF Cyber Greens, Sector 25A, DLF City Phase III, Gurgaon - 122002, Haryana  
India

**Further information:**

Before use read DuPont's safety information. Take notice of the directions of use on the label.

Significant change from previous version is denoted with a double bar.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

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