

# SAFETY DATA SHEET



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9850001164-ENG-02	2010-03-10	2012-12-01	1	Christine Diedrich	1 of 8

## Magnodol

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

#### 1.1 Product identifier

Magnodol

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

**Area of use:** Filtration of drinking water  
pH adjustment material

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

**Supplier:**

ALFA LAVAL Tumba AB

Hans Stahles väg  
SE-147 80 Tumba  
Sweden  
Tel: +46 8 53 06 50 00  
Fax: + 46 8 53 06 52 59

**Manufacture:**

Eurowater

Wadmans Linje 8  
561 133 Huskvarna  
Sverige  
Tel: +46 36 88 77 77

**e-mail:** [sds.question@alfalaval.com](mailto:sds.question@alfalaval.com)

**1.4 Emergency telephone number:** Dial in case of emergency poisoning and ask for Poison Information both day and night. Dial + 46 (0) 8-331231 if you have other questions concerning acute poisonings mon-fri 9.00-17.00

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

This product is not classified as hazardous according to current regulations.

#### 2.2 Label elements

This product is not labelled.

#### 2.3 Other hazards

Do not allow to enter surface water, drains or natural watercourses.  
The product is not combustible.

## Magnodol

### 3. Composition/information on ingredients

#### 3.2 Mixtures

##### Declaration of the constituents according to CLP 1272/2008/EC

Substances	Registration No.	Weight - (%)	CAS No.	EC No	Classification
Calcium carbonate	-	30-60	471-34-1	207-439-9	Not classified. Substance with exposure limit.
Magnesium Oxide	-	>20	1309-48-4	215-171-9	Not classified. Substance with exposure limit.

##### Declaration of ingredients constituents to 1999/45/EC

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See section 16 for explanation to R-phrases and/or Hazard statements

### 4. First aid measures

#### 4.1 Description of first aid measures

##### General recommendations

Consult a physician. Show this safety data sheet to a physician.

##### First aid – eye contact

Rinse immediately with a gentle stream of tepid (20-30°C) water or with eye rinsing solution.

Keep eyelids widely apart.

##### **If symptoms persist obtain medical attention.**

Caustic alkaline solutions are very damaging to the eyes.

##### First aid- skin contact

Remove contaminated clothing immediately.

Rinse the affected area with water and continue through washing with soap and water.

##### First aid- ingestion

Rinse out mouth and drink 1–2 glasses of water.

##### **DO NOT INDUCE VOMITING,**

##### **If symptoms persists obtain medical attention**

(Never give anything by mouth to an unconscious person).

##### First aid- inhalation

Provide fresh air.

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

No information

## Magnodol

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

No specific treatment. Treat symptomatically.

## 5. Firefighting measures

### 5.1 Extinguishing media

#### a) Suitable extinguishing media

All common extinguishing agents can be used. Containers close to fire should be removed or cooled with water.

#### b) Unsuitable extinguishing media

None known.

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

Not fire hazardous, product is not combustible.

### 5.3 Advice for firefighters

Wear full protective clothing and use a gas mask which is independent of the ambient air. Use helmet if the container is under pressure

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection clothing according to section 8.

### 6.2 Environmental precautions

Do not allow to enter surface water, drains or natural watercourses.

### 6.3 Methods and material for containment and cleaning up

Sweep up spillage and place in a container. For removal see section 13. Avoid dust formation.

### 6.4 Reference to other sections

Personal protection, see section 8.  
Disposal, see section 13.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with eyes and skin.  
Use recommended safety equipment according to section 8.

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

Keep container tightly closed in original container.  
Keep away from food, drink and animal feeding stuffs.

### 7.3 Specific end use

No information

## Magnodol

### 8. Exposure controls/personal protection

#### 8.1 Control parameters

National occupational exposure limit values that correspond to Community occupational exposure limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(1) of Commission Decision 95/320/EC

Substance	CAS No	Limit value – Short term		Limit value - 8 h		Notifications
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Calcium carbonate	471-34-1	-	-	-	10 inhalable aerosol 4 repairable aerosol	-
Magnesium Oxide	1309-48-4	-	-	-	10 inhalable aerosol 4 repairable aerosol	-

Reference: GESTIS United Kingdom

#### 8.2 Exposure controls

<b>Appropriate engineering controls</b>	Ensure adequate ventilation and avoid formation of dust. Eye wash stations are recommended. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.
<b>Eye/face protection</b>	Safety goggles which protects against dust.
<b>Hand protection</b>	At risk for direct contact with the product use safety gloves.
<b>Respiratory protection</b>	In case of dust formation use filter type P2.
<b>Other protection</b>	No information
<b>Environmental exposure controls</b>	See section 6.

## Magnodol

### 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Grey solid substance
<b>Odour</b>	None
<b>Odour threshold</b>	No information
<b>pH (X °C)</b>	No information
<b>Melting point/freezing point</b>	No information
<b>Initial boiling point and boiling range</b>	No information
<b>Flash point</b>	No information
<b>Evaporation rate</b>	No information
<b>Flammability (solid, gas)</b>	No information
<b>Upper/lower flammability or explosive limits</b>	No information
<b>Vapour pressure</b>	No information
<b>Vapour density</b>	No information
<b>Relative density</b>	No information
<b>Solubility(ies)</b>	No information
<b>Partition coefficient: n-octanol/water</b>	No information
<b>Auto-ignition temperature</b>	No information
<b>Decomposition temperature</b>	No information
<b>Viscosity</b>	No information
<b>Explosive properties</b>	No information
<b>Oxidising properties</b>	No information
<b>9.2 Other information</b>	Specific Gravity 1200 kg/m3

## Magnodol

### 10. Stability and reactivity

<b>10.1 Reactivity</b>	Not known
<b>10.2 Chemical stability</b>	Stable at normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No information
<b>10.4 Conditions to avoid</b>	No information
<b>10.5 Incompatible materials</b>	No one known
<b>10.6 Hazardous decomposition products</b>	No information

### 11. Toxicological information

#### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	Calcium carbonate 474-34-1 LD50 Oral Rat 6450 mg/kg
<b>Irritation</b>	Inhalation of dust causes respiratory tract irritation. Risk for digestive tract disorder at ingestions of large amounts. Prolonged or repeated contact with the product may cause irritation. Eye contact with dust form product may cause irritation.
<b>Corrosivity</b>	No information
<b>Sensitisation</b>	No information
<b>Repeated dose toxicity</b>	No information
<b>Carcinogenicity</b>	No information
<b>Mutagenicity</b>	No information
<b>Toxicity for reproduction.</b>	No information

## Magnodol

### 12. Ecological information

<b>12.1 Toxicity</b>						
Hazardous components	Value type	Value	Acute toxicity study	Exposure time	Species	Method
Calcium carbonate 474-34-1	LC50	>5600 Mg/l	Fish	96h	Gambusia affinis	-
<b>12.2 Persistence and degradability</b>			No information			
<b>12.3 Bioaccumulative potential</b>			No information			
<b>12.4 Mobility in soil</b>			No information			
<b>12.5 Results of PBT and vPvB assessment</b>			No information			
<b>12.6 Other adverse effects</b>			No information			

### 13. Disposal considerations

<b>13.1 Waste treatment methods</b>	Dispose of in accordance with local regulations.
<b>EWC code:</b>	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

### 14. Transport information

	ADR/RID-S	IMDG	IATA
<b>14.1 UN number</b>	Not classified as dangerous goods.	Not classified as dangerous goods.	Not classified as dangerous goods.
<b>14.2 UN proper shipping name</b>	Not relevant.	Not relevant.	Not relevant.
<b>14.3 Transport hazard class(es)</b>	Not relevant.	Not relevant.	Not relevant.
<b>14.4 Packing group</b>	Not relevant.	Not relevant.	Not relevant.
<b>14.5 Environmental hazards</b>	Not relevant.	Not relevant.	Not relevant.
<b>14.6 Special precautions for user</b>	Not relevant.	Not relevant.	Not relevant.

Document number	First issued	Revision date	Revision	Issued by	Page
9850001164-ENG-02	2010-03-10	2012-12-01	1	Christine Diedrich	8 of 8

## Magnodol

<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not relevant.	Not relevant.	Not relevant.
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### 15. Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	Gestis, International Limit Values
<b>15.2 Chemical safety assessment</b>	No

### 16. Other information

<b>Important changes have been made in section</b>	General update according to EU 453/2010.
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### LIMITATION OF LIABILITY

This document is only intended to be used as guidance as regards the risks of which we are aware that are associated with the product. Every individual who works with the product or in close proximity of it must receive suitable training. Individuals who come into contact with the product must be capable of using their own judgement as regards conditions or methods for handling, storing and using the product. Alfa Laval is not liable for demands, losses or damage of any kind that arise from flaws or deficiencies in this document or from using, handling, storing or disposing of the product unless it can be proven that Alfa Laval has acted in a grossly negligent manner. **Beyond what has been agreed upon and specified in writing with Alfa Laval in the individual case, Alfa Laval makes no promises or assumes any liability, including but not limited to implicit guarantees regarding marketability or appropriateness in terms of both the information provided in this document and the product to which the information refers.**