

## Safety Data Sheet

According to 453/2010 EU, Appendix II

Date of revision: 11/2016

### 1. Identification of the substances/ trade name and company

1.1. Identification of the preparation

Trade name: **Magnesium chloride solution**  
Material-No.: according to REACH registration not mandatory

1.2. Use of the preparation

De-icing salt

1.3. Company name

Deusa International GmbH  
Nordhäuser Str.2  
D-99752 Bleicherode  
Tel.:+49 36338 / 67 – 0  
Fax:+49 36338 / 67 – 103  
[info@deusa.de](mailto:info@deusa.de)  
Information contact: General management

1.4. Emergency telephone:

next toxin information centre

### 2. Hazard Identification

2.1. Categorisation of the product

No. : 259; WGK 1 - low hazardous to waters

2.2. characterisation

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 3. Composition/ Information on Ingredients

3.1. Mixtures

chemical characterisation

MgCl<sub>2</sub> \* xH<sub>2</sub>O

Identification No.:

CAS-No.: 7791-18-6

EINECS-No.: 232-094-6

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## 4. First Aid Measures

### 4.1. Description of first aid measures

General remarks:

No special measures necessary

Skin contact:

Rinse with water.

Eye contact:

Rinse thoroughly with running water and consult a doctor if required

Ingestion:

Rinse mouth intensively and drink richly water

Inhalation:

Fresh air supply and consult a doctor if required

### 4.2. Important acute and decelerated symptoms

### 4.3. Instructions for emergency aid or special treatment

## 5. Fire - fighting measures

### 5.1. Suitable Extinguishing media

Appropriate measures for put fire out

### 5.2. Special exposure hazards:

In the direct neighborhood of fire hazard of toxine gases in form of hydrogen chloride

### 5.3. Special protective equipment:

Inhalation protection

### 5.4. Additional information

Attention must be paid to the solubility in water therefore prevent fire extinguishing water from getting into sewage or sewage system

## 6. Measures in case of accidental release

### 6.1. personal preventive measures, protective equipment, emergency prodedures

### 6.2. Environmental protection measures

Hazard of drinking water and environment

Avoid penetration of large quantities into sewage or sewage system. Behörde verständigen.

### 6.3. Methods and material Methoden for flood detention and cleaning

### 6.4. Link to other aprons

Behold apron 2 und 5

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## 7. Handling and storage

### 7.1. Safety measures for safe handling

Information for safe handling  
Avoid intake of breath

Explosion and fire protection  
Product is not flammable

### 7.2. Condition for safe storage on consideration of incompatibility

Storage condition  
LGK 12 – 13  
Please observe regulatory terms

### 7.3. Special end use

## 8. Exposure controls / personal protection

### 8.1. Monitoring parameters

Exposure limit values not applicable

DNEL / DMEL – Values not applicable

PNEC – Values not applicable

### 8.2. Limitation and monitoring of exposition

General protective measures

Hygienic measures

Avoid intake of breath  
Avoid contact with eyes  
Avoid long contact with skin  
Wash hands before take a break or after end of work

Respiration protection

Not applicable

Eye protection

Goggles

Skin protection

Protective gloves

Monitored limits relating to the workplace

Not applicable

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## 9. Physical and chemical properties

### 9.1. Information to the basic physical and chemical properties

Aggregate state:	liquid
Form:	solution
Colour:	clear, yellowish / brownish
Odour:	indorous
pH-Values (50g/l H <sub>2</sub> O; 20°C):	5,0 – 6,5
Melting Point:	not applicable
Boiling Point:	behold appropriate specification
Flashing Point:	not applicable
Vapour pressure:	behold appropriate specification
Water solubility (20°C):	not applicable
n-Oktanol/Water-distribution coefficient (log Pow):	not applicable
Auto-ignition temperature :	not applicable
Thermal decomposition:	not applicable
Viscosity:	behold appropriate specification

### 9.2. other details

Density(20°C):	behold appropriate specification
Bulk density (20°C):	not applicable
Molar mass	-
Thermal conductivity:	behold appropriate specification
Specific electric resistance:	-

## 10. Stability and Reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

No hazardous reactions known

### 10.4. Conditions to avoid

No decomposition in regular use

### 10.5. Incompatible materials

No hazardous reactions known

### 10.6. Decomposition Products

Hydrogen chloride in case of fire

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## 11. Toxicological information

- 11.1. Acute oral toxicity:  
after ingestion of larger quantities sickness, arrhythmia, cardiovascular collapse
- Skin contact:  
Slightly irritant
- Eye contact:  
Temporary reversible irritant
- Allergisation:  
No allergisating effect known
- Additional information:  
There is no danger for human being if used according to instructions

## 12. Ecological information

- 12.1. Toxicity
- 12.2. Persistence and decomposability
- 12.3. Bioaccumulation potential  
Not applicable
- 12.4. Mobility in soil  
Not applicable
- 12.5. Results of PBT- and vPvB-analysis  
Not applicable
- 12.6. Additional information  
low hazardous to waters / water pollution class 1

## 13. Disposal considerations

- 13.1. Methods of disposal treatment
- Product  
Dispose of according to local regulations
- Uncleaned package  
Behold appron 12

## 14. Transport information

- Appron 14.1. bis 14.5
- ADR no dangerous goods  
ADNR no dangerous goods  
RID no dangerous goods  
IATA no dangerous goods  
IMDG no dangerous goods
- No dangerous cargo according to transport regulation.
- 14.6. Special preventive measures for the customer
- 14.7. Bulk cargo according to appendix II MARPOL - agreement 73/78 and according IBC-Code

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## 15. Regulatory information

15.1. Prescription to safety, health or environmental prescription for the compound or mixture

Water pollution class:

No. : 259

WGK 1 - low hazardous to waters

Designation:

No labelling is required in accordance with EES directives.

## 16. Other information

The data given herein are based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the product in terms of its safety requirements. The data do not signify any warranty with regard to the properties of the product. Existing laws and regulations must be observed by the recipient of our product and will be in its own responsibility.