

EC Safety Data Sheet (1907/2006/EC)



ICE & DUST-AWAY

De-icer based on a solution of Calcium Magnesium Acetate

Created on: 20. 11. 2009

Reviewed on: 27. 11. 2009

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

Trade name ICE & DUST-AWAY
REACH registration Preparation according to REACH Regulation (EC) No. 1907/2006
Use De-icer based on a solution of Calcium Magnesium Acetate
Supplier RAW Handel und Beratungs GmbH
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D-79232 March-Hugstetten
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Fax +49 (0) 7665 / 934 29 - 25
These numbers will only be staffed during office hours.

Responsible person Mr J. Wittstock, Phone +49 (0) 7665 / 934 29 - 0
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Qualified person Dipl.-Ing.(TU) M. Fischer, Phone +49 (0) 7665 / 934 29 - 17
This number will only be staffed during office hours.
E-mail: sdb@raw-international.com

Emergency information (24 h) Poison Information Center in Bonn, Phone +49 (0) 228 / 19240

2. HAZARD IDENTIFICATION

The preparation is not classified as dangerous in the sense of 1999/45/EC.

In all cases please note the information of the Safety Data Sheet.

Particular hazards for human and environment:

No hazards to be particularly mentioned.

Additional information:

Preparation is not classified as flammable or combustible. Aqueous solution.

Preparation is not classified as dangerous to the environment.

Preparation is not classified as dangerous to health.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation:

Aqueous solution of Calcium Magnesium Acetate.

Ingredients:

| Designation | EINECS | CAS No. | Conc. wt. % | Hazard symbol | R phrases | REACH |
|---------------------------|--------|-------------|-------------|---------------|-----------|-------|
| Calcium Magnesium Acetate | - | 110518-63-3 | 25 - 30 | - | - | - |

4. FIRST AID MEASURES

After skin contact: Wash with water.
After eye contact: Rinse eyes with running water for at least 10 minutes holding eyelids well apart and obtain further medical assistance.
After ingestion: In case of accidental ingestion, rinse mouth with water. Drink water. Do not induce vomiting. Consult a doctor.

5. FIRE FIGHTING MEASURES

General information The product itself is not combustible.
Suitable extinguishing media Use extinguishing media appropriate for surrounding fire.
Particular hazards posed by

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the substance, its combustion products or gases produced None

6. ACCIDENTAL RELEASE MEASURES

Person-specific precautionary measures: Pick up small quantities using a liquid binding material. Contain large spills and pump up into containers. Keep unauthorized persons away.

Environmental measures: The preparation is not dangerous to the environment.

Procedure for picking up / cleaning: Flush contaminated areas with plenty of water.

7. HANDLING AND STORAGE

Handling
Information on safe handling When handling the product, observe standard industrial hygiene and protection practices in the workplace. During filling, refilling and dosing as well as during sampling are to be used: protective goggles.

Advice on fire and explosion protection The product is not combustible.

Storage
Demands on storage rooms and containers Store the product in the original containers.
Storage class Storage class 12 B (non-flammable liquids).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information on engineering controls: See section 7.

Constituents with workplace-related limits to be monitored: None

Personal protective equipment

Eye protection Wear protective goggles.

Hand protection After repeated use, wash hands before coming in contact with food.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|----------------------|-----------------------------------|-----------------------------------|
| Form | Clear aqueous solution | |
| Colour | Clear white | |
| Flash point | Not applicable | |
| | 25 percent solution | 30 percent solution |
| Density | 1,12 g/cm ³ (at 20 °C) | 1,16 g/cm ³ (at 20 °C) |
| pH value | approx. 8,8 | approx. 9,4 |
| Melting point | -19 °C | -30 °C |

10. STABILITY AND REACTIVITY

Conditions to be avoided Stable under normal conditions of storage. Avoid overheating closed containers.

Hazardous decomposition products: None known.

Materials to avoid: None known.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity The product is not acutely toxic.
Special properties / effects Eye contact can lead to irritations and redness.

12. ECOLOGICAL INFORMATION

Persistence/degradability Ingredient is readily biodegradable (70% after 3 days OECD 301A).
Accumulation No bioaccumulation is expected.
Ecotoxicology When used as intended, the preparation is not dangerous to the environment.

| | 25 percent solution | 30 percent solution | Standard |
|-------------------------------|------------------------|---------------------|-----------|
| LC50- Fish, 96 days | 11,4 g/l | 10,0 g/l | OECD 203 |
| EC50- D. mag., 24 days | 1,8 g/l | 1,6 g/l | OECD 202 |
| IC50- Algae, 72 days | 13 g/l | 11 g/l | OECD 201 |
| Test oral, rat | no deaths at 2000mg/kg | at 1800mg/kg | OECD 423 |
| ThOD/COD | 132,000 mg/l | 158,000 mg/l | OECD 6060 |

13. DISPOSAL CONSIDERATIONS

Product If reuse or recycling is not possible: Disposal in accordance with the Waste Recycling and Management Law (KrW-/AbfG).

14. TRANSPORT INFORMATION

Land transport (ADR/RID): No dangerous good in the sense of these transport regulations.
Inland waterway transport (ADN/ADNR): No dangerous good in the sense of these transport regulations.
Sea ship transport (IMDG): No dangerous good in the sense of these transport regulations.
Air transport (ICAO-TI / IATA-DGR): No dangerous good in the sense of these transport regulations.

15. REGULATORY INFORMATION

Labelling in accordance with EC Directives None

S phrases
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Occupational health and safety regulations Regulations for the prevention of industrial accidents of the employers' liability insurance associations and Technical Rules for Hazardous Substances.

16. OTHER INFORMATION

The information given above is based on our present level of knowledge and does not constitute an assurance of properties. No claim is made to exhaustiveness. The information should only be considered a general guideline. Existing laws and regulations must be observed by the recipients of our product at their own responsibility. The company cannot be held responsible for damage resulting from the use of the product.