

Safety Data Sheet

according to Regulation (EU) 2020/878 and Swiss Chemicals Ordinance (ChemV)

****Cover Sheet for Safety Data Sheet****

Created on 18.11.2025

****Product identification:****

Trade name: magnetic demineralization cartridge 300

Use: Full desalination/demineralization in continuous process for heating and cooling circuits

****Supplier transmitting the safety data sheet:****

IONTEQ GmbH

Grossbruggerweg 3

7000 Chur

Tel: +41 81 525 55 29

info@ionteq.ch

****National emergency number: 145**** (24h available, Tox Info Suisse, Zurich; for calls from Switzerland, information in German, French and Italian)

****Information for users concerning:****

****Section 7:**** No specific Swiss requirements in addition to the mentioned handling and storage conditions.

****Section 8:**** Exposure does not occur during intended use.

****Section 13:**** Disposal according to Technical Ordinance on Waste (TVA). The entire cartridge can be disposed of with household waste.

****Section 15:**** The provisions of the Chemicals Ordinance (ChemV), the Chemical Risk Reduction Ordinance (ChemRRV), TVA, VeVA as well as the Youth Labor Ordinance (ArGV 5) and Maternity Protection Ordinance apply.

1. Identification of the substance or mixture and of the company

****Product identifier:**** magnetic demineralization cartridge 300

****Relevant identified uses:**** Desalination/demineralization of water in closed heating and cooling circuits

****Uses advised against:**** Drinking water treatment, medical applications

****Distributor:****

IONTEQ GmbH

Grossbruggerweg 3

7000 Chur

Switzerland

Tel: +41 81 525 55 29

info@ionteq.ch

****Emergency number:**** 145 (Tox Info Suisse)

****Resin manufacturer:**** magnetic GmbH & Co. KG, Germany

2. Hazards identification

****Classification according to CLP:**** Not classified as dangerous

****Signal word:**** None

****Pictograms:**** None

****H-statements:**** None

****P-statements:**** None

****Justification:**** The product is a sealed cartridge with bound resin granules. During intended use, there is no exposure to the resin components.

3. Composition/information on ingredients

****Mixture - not classified as dangerous****

Component	CAS No.	Concentration	Classification
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Cation exchange resin, H-form (styrene-DVB-sulfonic acid resin)	69011-20-7	20-30%	Not classified
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Anion exchange resin, OH-form, strongly basic (styrene-DVB-trialkylammonium resin)	9052-51-7	20-30%	Not classified
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Water	7732-18-5	40-60%	Not classified
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Plastic housing (polypropylene)	9003-07-0	<5%	Not classified
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4. First aid measures

****General instructions:**** No first aid measures required during normal use.

****In case of cartridge breakage:**** Avoid contact of resin granules with eyes. In case of eye contact: rinse with water.

5. Firefighting measures

****Suitable extinguishing media:**** Water, foam, CO₂, powder

****Special hazards:**** None

****Protective equipment for firefighters:**** Standard protective equipment

6. Accidental release measures

****Personal precautions:**** No special measures required

****Environmental protection measures:**** Collect and dispose of damaged cartridge

****Cleaning methods:**** Mechanical collection of resin granules

7. Handling and storage

****Handling:**** Protect from UV light. Do not operate above 60 °C. Max. operating pressure: 6 bar.

****Storage:**** Store cool and dry. Observe DIN EN 1717 (system separator).

****Specific requirements:**** None

8. Exposure controls/personal protection

****Technical protection measures:**** Not required during normal use

****Exposure containment measures:**** Not required

****Personal protective equipment:**** Not required during normal use

****Hygiene measures:**** Standard hygiene measures

9. Physical and chemical properties

Property	Value
Appearance	Cartridge with colored resin granules
Odor	Odorless
pH	6-9 (in aqueous suspension)
Melting point	Not applicable
Boiling point	Not applicable
Flash point	Not flammable
Auto-ignition temperature	Not flammable
Explosion limits	Not explosive
Density	0.7-0.9 g/cm ³ (resin)
Solubility	Resin: swellable in water

10. Stability and reactivity

Reactivity: Stable under normal conditions
Chemical stability: Stable
Possibility of hazardous reactions: None
Conditions to avoid: Temperatures above 60 °C
Incompatible materials: Strong oxidizing agents

11. Toxicological information

Acute toxicity: Not acutely toxic
Skin irritation/effects: No irritating effects known
Eye irritation: Resin granules may cause mechanical irritation
Sensitization: None known
Additional information: No toxicological relevance during normal use

12. Ecological information

Toxicity: Not hazardous to aquatic environments
Persistence and degradability: Resins are poorly biodegradable
Bioaccumulation potential: None
Mobility in soil: Low

13. Disposal considerations

****Product disposal:**** The entire cartridge can be disposed of with household waste.
****Packaging disposal:**** Plastic packaging to be recycled.
****Legal regulations:**** Technical Ordinance on Waste (TVA), Ordinance on the Transport of Waste (VeVA)

14. Transport information

****ADR/RID/IMDG/IATA:**** Not classified as dangerous goods
****UN number:**** None
****Proper shipping name:**** None
****Transport category:**** None

15. Regulatory information

****Swiss legal provisions:****
- Chemicals Ordinance (ChemV)
- Chemical Risk Reduction Ordinance (ChemRRV)
- Technical Ordinance on Waste (TVA)
- Ordinance on the Transport of Waste (VeVA)
- Youth Labor Ordinance (ArGV 5)
- Maternity Protection Ordinance

****EU legal provisions:****
- Regulation (EC) No 1272/2008 (CLP)
- Regulation (EU) 2020/878
- REACH Regulation (EC) No 1907/2006

16. Other information

****Version history:**** This SDS replaces all previous versions.
****Revision date:**** 18.11.2025
****Remarks:**** The product is a sealed disposable cartridge for water treatment.
****Full text of H- and P-statements:**** Not applicable, as not classified as dangerous.

****SDS prepared according to Regulation (EU) 2020/878 and Swiss ChemV****