

Safety Data Sheet

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

Cover Page to the Safety Data Sheet

Date of creation: 18.11.2025

Product identification:

Trade name: **magnetic Mixed Bed Resin PREMIUM**

Use: Full demineralization of water in closed heating and cooling circuits

Supplier transmitting the safety data sheet:

IONTEQ GmbH

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7000 Chur

Tel: +41 81 525 55 29

info@ionteq.ch



National emergency number: 145 (24-hour service, 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 is not expected under intended use. For the components, no Swiss occupational exposure limits (SUVA MAK values) are established.

Section 13: Small quantities may be disposed of with municipal waste according to local regulations; larger quantities via a specialized waste disposal company according to TVA/VeVA.

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

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1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier: magnetic Mixed Bed Resin PREMIUM

UFI: not yet assigned

Relevant identified uses:

Full demineralization/mixed-bed ion exchange for heating water, purified water, and technical applications in closed systems according to SWKI BT 102-01, VDI 2035, and ÖNORM H 5195-1

Uses advised against: Drinking water treatment, medical applications

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Emergency telephone number: 145 (Tox Info Suisse)

Resin manufacturer: magnetic GmbH & Co. KG, Germany

2. Hazards Identification

2.1 Classification according to CLP:

Eye Irrit. 2; H319 – Causes serious eye irritation.

Signal word: WARNING

2.2 Hazard statements: H319

Precautionary statements:

P264 – Wash thoroughly after handling.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 – If eye irritation persists: Get medical advice/attention.

Hazard pictograms: GHS07

2.3 Other hazards:

The mixture does not meet the criteria for PBT or vPvB according to Annex XIII of Regulation (EC) No 1907/2006. The mixture contains no substances $\geq 0.1\%$ that are listed on the candidate list according to Article 59(1) of REACH due to endocrine-disrupting properties or identified as endocrine disruptors according to Regulation (EU) 2017/2100 or 2018/605. No other known special hazards.



3. Composition/Information on Ingredients

Mixture – classified as hazardous

Component	CAS No.	Concentration	Classification
Strong acid cation exchange resin (Styrene-DVB sulfonic acid resin, H ⁺ form)	69011-20-7	20-30 %	Eye Irrit. 2, H319
Strong base anion exchange resin (Styrene-DVB trialkylammonium resin, OH ⁻ form)	69011-18-3	20-30 %	Eye Irrit. 2, H319
Water	7732-18-5	40-60 %	Not classified
Plastic bag (Polyethylene)	9002-88-4	<1 %	Not classified

4. First-Aid Measures

General advice: If you feel unwell, consult a doctor.

Inhalation: Move to fresh air and keep at rest.

Skin contact: Wash with water and soap.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion: Rinse mouth. Drink plenty of water. Do NOT induce vomiting. If you feel unwell, get medical advice/attention.

5. Fire-Fighting Measures

Suitable extinguishing media: Water, foam, CO₂, powder

Special hazards: Decomposition products in a fire may include CO, CO₂, NO_x, SO_x.

Protective equipment for firefighters: Self-contained breathing apparatus and full protective suit.

6. Accidental Release Measures

Personal precautions: Use personal protective equipment (Section 8).

Environmental precautions: Prevent further spillage. Do not let product enter drains, water courses, or soil.

Methods for cleaning up: Take up mechanically (sweep or vacuum). Collect in suitable containers.

7. Handling and Storage

Handling: Use only in closed systems. Avoid contact with eyes. Avoid dust formation. Observe good industrial hygiene practices.

Storage: Store in a cool, dry place protected from sunlight. Protect from temperatures above 60 °C.

Specific storage requirements: Store separately from strong oxidizing agents.

8. Exposure Controls/Personal Protection

Technical measures: Ensure adequate ventilation.

Exposure monitoring: For the components, no Swiss occupational exposure limits (SUVA MAK values) are established.

Personal protective equipment:

- **Eye protection:** Safety glasses with side shields (EN 166)
- **Hand protection:** Chemical-resistant protective gloves (EN 374)
- **Body protection:** Work clothing

Hygiene measures: Wash hands after handling. Clean work clothing regularly.

9. Physical and Chemical Properties

Property	Value
Appearance	Solid resin beads
Colour	White-cream to amber
Odour	Slight amine-like
pH	6-9 (in aqueous suspension)
Melting point/freezing point	Not applicable
Boiling point/boiling range	Not applicable
Flash point	Not flammable
Auto-ignition temperature	Not flammable
Explosion limits	Not explosive
Relative density	0.7-0.9 g/cm ³ (bulk density)
Solubility in water	Insoluble, swells in water
Partition coefficient (n-octanol/water)	Not determined
Viscosity	Not applicable
Vapour pressure	Not applicable
Volatile organic compound (VOC) content	<1 %

10. Stability and Reactivity

Reactivity: Stable under normal conditions.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: Temperatures above 60 °C, strong oxidizing agents.

Incompatible materials: Strong oxidizing agents, strong acids, and bases.

11. Toxicological Information

Acute toxicity: Not acutely toxic.

Eye irritation: Causes serious eye irritation (H319).

Skin irritation: May cause mild irritation.

Sensitization: No known sensitizing effects.

Other hazards: Based on current knowledge, the mixture contains no substances classified or identified as endocrine disruptors for human health (see Section 3).

12. Ecological Information

Toxicity: Not classified as hazardous to the aquatic environment.

Persistence and degradability: Resins are biologically difficult to degrade.

Bioaccumulative potential: Not expected.

Mobility in soil: Low.

Results of PBT and vPvB assessment: The mixture contains no substances meeting the PBT or vPvB criteria according to Annex XIII of Regulation (EC) No 1907/2006.

Endocrine disrupting properties: Based on current knowledge, the mixture contains no substances identified as endocrine disruptors for the environment (see Section 3).

13. Disposal Considerations

Product disposal: Small quantities may be disposed of with municipal waste according to local regulations; larger quantities via a specialized waste disposal company according to TVA/VeVA.

Packaging disposal: Recycle plastic packaging.

Regulations: Technical Ordinance on Waste (TVA), Ordinance on the Movement of Waste (VeVA).

14. Transport Information

ADR/RID/IMDG/IATA: Not classified as dangerous goods.

UN Number: None

Proper shipping name: None

Transport hazard class(es): None

15. Regulatory Information

15.1 Swiss Regulations:

- Chemical Ordinance (ChemV)
- Chemical Risk Reduction Ordinance (ChemRRV)
- Technical Ordinance on Waste (TVA)
- Ordinance on the Movement of Waste (VeVA)
- Ordinance on Youth Labour Protection (ArGV 5)
- Maternity Protection Ordinance

15.2 EU Regulations:

- Regulation (EC) No 1272/2008 (CLP)
- REACH Regulation (EC) No 1907/2006
- Regulation (EU) 2020/878
- Chemical Safety Assessment: No chemical safety assessment has been carried out for this mixture.

16. Other Information

Version history: This SDS replaces all previous versions.

Date of last revision: 18.11.2025

Full text of H- and P-statements:

- H319: Causes serious eye irritation
- P264: Wash thoroughly after handling
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337+P313: If eye irritation persists: Get medical advice/attention