

General Product Informationen

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|--------------|-----------------------------|
| Product Name | S _{EES} 30 % |
| Trade Name | Brine of Magnesium chloride |
| Formula | MgCl ₂ |

Chemical Composition

| | Average | | Concentration range | |
|---|---------|------|---------------------|------|
| | [g/l] | [%] | [%] | [%] |
| Magnesium chloride (MgCl ₂) | 385 | 30.0 | 29.0 | |
| Potassium chloride (KCl) | 2.00 | 0.15 | | |
| Sodium chloride (NaCl) | 5.50 | 0.43 | | |
| Magnesium sulfate (MgSO ₄) | 1.50 | 0.12 | | 0.20 |
| Calcium sulfate (CaSO ₄) | 0.20 | 0.10 | | 0.20 |

Demands for Salt Solutions in Germany (DIN EN 166811-2)

| | Real Value | Limit Value | | Real Value | Limit Value |
|--------------------|------------|-------------|--------------|------------|----------------|
| | [mg/kg] | [mg/kg] | | [mg/kg] | [mg/kg] |
| Arsenic (As) | < 0.10 | ≤ 2.50 | Copper (Cu) | < 0.20 | ≤ 5.00 |
| Lead (Pb) | < 0.40 | ≤ 5.00 | Nickel (Ni) | < 0.20 | ≤ 5.00 |
| Cadmium (Cd) | < 0.10 | ≤ 2.00 | Mercury (Hg) | < 0.01 | ≤ 0.50 |
| Chrome, total (Cr) | < 0.10 | ≤ 5.00 | Zinc (Zn) | < 1.00 | ≤ 20.0 |
| | | | Iron (Fe) | < 10.0 | Not applicable |

Physical and Chemical Data

| | | | |
|------------------------|----------------|----------|------------------------------|
| Density at 20 °C | Corresponds to | pH-value | Specific Heat |
| 1.28 g/cm ³ | 32 °Be | 4 - 7 | 3.42 MJ / m ³ · K |

Properties

| | |
|------------|---|
| Additives | None |
| Colour | Clear, yellowish / brownish |
| Solubility | Brine with water in all ratios miscible |

