



## Epsom Salt pure, technical

Magnesium Sulphate Heptahydrate ( $MgSO_4 \cdot 7H_2O$ )

min. 99 %  $MgSO_4$ , calculated with reference to the dried substance

Officially certified dioxin-, BSE/TSE- and GMO-free production process

Version 7.0, Printing date 2015-09-22

**Combined nomenclature:** 28,332,100

**Nature of Product:** white crystals

<b>Chemical Analysis:</b>	<b>w</b>	<b>typical</b>	<b>min.</b>	<b>max.</b>
• Magnesium Sulphate ( $MgSO_4$ )	%	49.3	48.0	50.0
• Water ( $H_2O$ )	%	50.6	50.0	52.0
• Na	mg/kg	40	20	120
• K	mg/kg	700	100	3,000
• Ca	mg/kg	20	10	100
• Cl	mg/kg	100	30	200
• $H_2O$ -Insolubles	mg/kg	10		100
• Fe	mg/kg	0.15		1
• Heavy metals as Pb	mg/kg			5

<b>Granulometry:</b>	<b>typical</b>
• < 1 mm	65 %
• $d_{50}$	0.80 mm

### Physical Properties:

- Bulk Density ca. 980 kg/m<sup>3</sup>
- Angle of Repose ca. 32 °
- Molecular Weight 246.47 g/mol
- Density 1.7 g/cm<sup>3</sup>
- Solubility in water w ( $MgSO_4$ ) = 26.3 % at 20 °C (68 °F)  
readily soluble, practically without residues; always vigorously stir the salt into water or solution

### Special characteristics:

Depending on ambient temperature and prevailing relative humidity the product is prone to absorption of water and dehydration, which can result in caking.

### Packaging:

- 25 kg bags, Big Bags, bulk

### Application:

In construction, pulp and detergent industries; as fertiliser; for the production of plastic (ABS, EPS), adhesives, refractory materials, synthetic seawater, pigments, etc.; for the manufacture of other Mg-compounds.

The data given above is based on our continuous quality monitoring system. They do not exempt the user from his obligation to make an incoming inspection of the delivered product. The data are for information purposes and do not constitute any guarantee. It is the responsibility of the user to determine the product's suitability for his intended use.