



Pure Health & Earth

A NEDMAG INNOVATION

MAGNESIUM CHLORIDE CRYSTALS FOOD GRADE E511

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Product description

Magnesium chloride food crystals (99.0% pure) is a pure magnesium chloride hexahydrate ($\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$), which can be used in a wide variety of food products and applications, giving benefits such as:

- salt reduction up to 60%
- improved texture and solids
- taste enhancement
- water binding capacity
- shelf-life extension.
- magnesium enrichment

A wide number of health claims is applicable.

Product quality

Magnesium chloride food crystals (99.0% pure) meets or exceeds the requirements of:

- Current EU Food Additive Regulation (E511)

Packaging

Magnesium chloride food crystals (99.0% pure) are available in 25 kg bags.

Storage and handling

Magnesium chloride food crystals (99.0% pure) are very hygroscopic. Store it in a dry place to avoid uptake of moisture. Quickly reseal open bags.

Shelf life

Magnesium chloride food crystals (99.0% pure) is best before 2 years after production date, provided it is stored in closed and clean packaging.

Chemical composition

	Typical	Specification
$\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$		99.0 min
Trace elements:		
NH ₄	mg/kg	<2.0
As	mg/kg	0.001
Hg	mg/kg	0.001
Pb	mg/kg	<0.5
		50 max
		3 max
		1 max
		2 max

Physical properties

	Typical
pH	-
(aqueous solution 10%)	8.0 - 9.0
particle size	mm
	1 - 2.5

Nedmag is ISO 9001, ISO 14001, FSSC 22000 (CaCl_2) and GMP+ certified
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