



PRODUCT INFO
& DATASHEET

MAGNESIUM SULPHATE HEPTAHYDRATE
(16% MgO + 32% SO₃)
EPSOM SALT PURE, technical grade
Permitted for use in organic farming
Origin: EU

Product Description:

Magnesium Sulphate 16/32 (= 9.6% Mg)
16% MgO, water soluble magnesium oxide
32% SO₃, water soluble sulphur trioxide (= 13 % S)

Chemical Analysis

	Typical	w
* Magnesium Sulphate Heptahydrate (MgSO ₄ -7H ₂ O), calculated as MgSO ₄	49	%
* Water of crystallisation (H ₂ O)	50.9	%
* K ₂ SO ₄ , CaSO ₄ , KCl, NaCl	0.1	%

Granulometry

	Typical	w
< 1.0 mm	65	%
d ₅₀ (mm)	0.80	
Bulk density	approx. 980 kg/m ³	
Bulk density (packed)	approx. 1,100 kg/m ³	
Angle of Repose	approx. 32 dgr.	

Physical Properties

pH (5 % solution) approx. 8 at 25 dgr. C.
Solubility in water w (MgSO₄) = 26.3% at 20 dgr. C. (68 dgr. F.)

Readily soluble, practically without residues; always vigorously stir the salt into water or solution.

Storage

Store at cool and dry place. Excessive storage pressure and large temperature fluctuations can result in caking, which can be broken up by pounding of the bags.

Application

Is preferably used as a foliar fertilisation for higher yields and better quality. It eliminates magnesium and sulphur deficiencies quickly and successfully. When mixed with any plant protection products the recommendations of the plant protection manufacturers have to be followed. This product is made from naturally occurring crude potassium salt and is permitted for use in organic farming according to the Regulations (EC) No 834/2007 and (EC) No 889/2008.

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. Sap International cannot accept any responsibility for loss or damage or infringement of patent rights that may result from the use of information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm the suitability of the products with their own tests. Any dimensions shown are approximate.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

SAP INTERNATIONAL CORPORATION by Krekelenberg 83, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Email : info@sico.be Website : www.sico.be