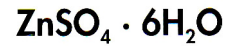




Zinc Sulphate „Grilloflow“

Zinc sulphate hexahydrate
CAS-No.: 13986 – 24 – 8



Product description

Zinc sulphate „Grilloflow“ is a white, compact grained powder. Under the scanning microscope it shows colourness, columnar, rhombic crystals.

Zinc sulphate „Grilloflow“ is odourless and easily soluble in water. The solution shows a slightly acid reaction due to partial hydrolysis. Zinc sulphate „Grilloflow“ is hygroscopic. At a temperature of 60 – 80°C water of crystallization may be separated so that hardening occurs.

Technical data		
Zinc sulphate hexahydrate	% (m/m)	min. 97,28
Zinc sulphate	% (m/m)	min. 58,27
Zinc	% (m/m)	min. 23,6
Chloride	% (m/m)	max. 0,3
Copper	ppm	max. 10
Nickel	ppm	max. 15
Iron	ppm	max. 10
Manganese	ppm	max. 30
Arsenic	ppm	max. 1
Cadmium	ppm	max. 10
Lead	ppm	max. 5
pH value (5 % in water)		approx. 5 – 6
Bulk density	kg/m ³	approx. 1000
Solubility in water at 20°C	g/l	approx. 630

Quality

- Zinc sulphate hexahydrate, technical

Transport and storage

Transport is effected in 25 kg bags and in flexible bulk containers (big bags) with a maximum capacity of 1.000 kg. Storage of the product should be effected in dry and cool places which are air-sealed, if possible.

GGVE/RID	class 9, item 12c	IMDG-Code	class 9
GGVS/ADR	class 9, item 12c	UN-Number	3077
ADNR	class 9, item 12c	IATA – DGR	class 9

Applications:

Technical quality

■ Agro-industry	Production of trace element mixtures for fertilizers.
■ Chemical-technical industry	Base material for inorganic compounds.
■ Ore flotation	Auxiliary material for the grading of ores
■ Paint industry	Production of zinc paint.
■ Electroplating industry	Adjustment of galvanising baths.
■ Textile industry	Additive in regenerating baths for rayon production, mordant for alzarine, resisting and sulphide dyestuff.

These details correspond to the current status of our knowledge and are meant to provide information on our product and its applications. They are not intended to promise certain properties of the product or its suitability for a concrete application. Any existing industrial property rights are to be taken into consideration. We guarantee proper quality within the scope of our General Conditions of Sale.

Status: July 2003

