

ZINC SULPHATE MONOHYDRATE



General Information

Chemical Formula	ZnSO ₄ ·H ₂ O	
Synonym	UNII-PTX099XSF1; Sulfuric acid, zinc salt (1:1), monohydrate	
Origin	China	
H.S. Code	2833.29.30	
CAS No.	7446-19-7	
Molecular Weight	179.451 g mol ⁻¹	

Application

Agriculture Industry	Zinc sulphate is used to supply the zinc in animal feeds, fertilizers and agricultural sprays. The monohydrate form is considered a safe source of zinc for all animal species. It provides a long-term supply of zinc to crops as it does not dissolve as readily as zinc heptahydrate. It is provided as a zinc supplement as zinc is important for enzyme activity associated with carbohydrate metabolism in plants and animals. It is also important for protein synthesis in animals.
Chemical Industry	Zinc sulphate is used as a precursor to the pigment lithopone and used as an electrolyte for zinc plating.
Other Applications	Zinc sulphate is used as a mordant in dyeing, as a preservative for animal skin and leather, and as an astringent and emetic in medicines. It is also used as an activator in latex paper and used for water purification.

Specification

Property	Units	Value
Appearance	-	White Powder
Purity	%	98.0
Zinc	%	35.7
Heavy metal (Pb)	%	0.002
Iron (Fe)	%	0.008
Cadmium (Cd)	%	0.002
Manganese (Mn)	%	0.01
Chloride (Cl)	%	0.2
Water insoluble	%	0.02
Density	g/mL	1.005 (25 °C)

Packaging

- 1000 @ 25 kg Plastic woven bag or kraft paper bag inner with plastic bag, 25 MT / 20'FCL