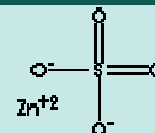


ZINC SULPHATE

PRODUCT IDENTIFICATION

CAS NO.	7446-20-0
EINECS NO.	231-793-3
FORMULA	ZnSO ₄ ·7H ₂ O
MOL WT.	287.55
H.S. CODE	2833.26
TOXICITY	Oral rat LD50: 2150 mg/kg
SYNONYMS	Sulfuric acid, zinc salt (1:1), heptahydrate; White vitriol; Zinc sulfate (1:1) heptahydrate; Zinc sulfate heptahydrate; Zinc vitriol (heptahydrate);
RAW MATERIALS	
CLASSIFICATION	



GENERAL DESCRIPTION

Zinc Sulfate (also spelled zinc sulphate) is a very water soluble, clear, crystalline compound prepared by heating zinc sulphide ore in air and dissolving out and recrystallizing the sulphate. It is commonly used as the heptahydrate form; it occurs naturally as the mineral goslarite, and can be prepared by reacting zinc with sulfuric acid. The crystalline sulfate is known commonly as white vitriol. It loses water at 30°C to give the hexahydrate and more water is lost at 70°C to form the monohydrate. The anhydrous salt forms at 280°C and this decomposes above 500°C. It is used in agriculture as a weed killer and to give protection against pests; It is used to supply zinc in animal feeds and fertilizers; It is also an important constituent of the precipitating bath in the manufacture of viscose rayon and in electrolyte for zinc plating; It functions as a mordant in dyeing; as a preservative for skins and leather; and as an astringent and emetic in medicine.

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	White Crystalline powder or Granular
MELTING POINT	100 C
BOILING POINT	500 C (Decomposes)
SPECIFIC GRAVITY	1.97
SOLUBILITY IN WATER	54g/10ml at 20 C
pH	5 - 7
VAPOR DENSITY	
AUTOIGNITION	
NFPA RATINGS	Health: 1; Flammability: 0; Reactivity: 0
REFRACTIVE INDEX	
FLASH POINT	Not considered to be a fire hazard
STABILITY	Stable under ordinary conditions

APPLICATIONS

Production of Rayon fibre, Micronutrient in fertilisers, Agriculture, Production of paint and varnishes, glues, Titanium Dioxide, Zinc Sterate and Zinc-Alkyl-di-thiocarbamate (Fungicide), Rubber As accelerator, flotation of ores, Electroplating and surface treatment, Animal feed.

SALES SPECIFICATION

APPEARANCE	White Crystalline powder or Granular
PURITY	98.0%min
Zn	22.0% min
WATER INSOLUBLES	0.1% max
Mg	0.5% max
Cu	0.1% max

Ca	0.1% max
As	10ppm max
Pb	5ppm max
PARTICLE SIZE	60 - 100mesh (Powder) , 10-50mesh (Granular)
TRANSPORTATION	
PACKING	25kgs , 50kgs, 1mt in Bag (20mts in contaier)
HAZARD CLASS	Not listed on TSCA Inventory
UN NO.	
REMARKS	