TECHNICAL DATA SHEET

ZINC NITRATE 50% SOLUTION

Chemical & Physical Properties

Chemical Formula	$Zn(NO_3)_2$
CAS Number	7779-88-6
Specific Gravity @ 60°F (15.5°C)	1.595
Salt-Out Temp	45°F (7°C)
Color	Colorless
Odor	No significant odor
Weight per Gallon	13.30 lbs/gal (1.59 kg/L)
pH	< 1.5-3.0



Typical Analysis

Zinc Nitrate ($Zn(NO_3)_2$	50%
Nitrogen (N)	17.262%
Zinc (Zn)	17.00%
Water (H_2O)	~50% Balance
H_2O Insolubles	< 0.01%
Chloride (Cl)	< 0.01%

Description

Zinc Nitrate 50% Solution is used in a variety of industrial applications including: catalyst production, chemical feedstock, mordant in textile dyeing, and the synthesis of coordination polymers. Its high solubility in water and reliable zinc content make it a convenient source of zinc ions for controlled chemical reactions and laboratory formulations. Additionally, zinc nitrate solutions are commonly used in specialty chemical manufacturing and surface treatment processes where consistent metal ion availability is required.

Shipping

Zinc Nitrate 50% Solution is classified as a hazardous material by the US Department of Transportation. The proper shipping name is: UN3093, Corrosive Liquid, Oxidizing, N.O.S. (Zinc Nitrate Solution), 8 (5.1), PG II

Availability

Zinc Nitrate 50% Solution is available for shipment via:

- Bulk Tanker: 48,000 lbs.
- 275 Gallon IBC: 3,500 lbs.
- 55 Gallon Drum: 650 lbs.

The data presented herein are believed to be accurate but are in no way guaranteed. TradeMark Nitrogen Corp. makes no warranties, express or implied, that any of the above data is fit for any particular use and expressly disclaims all oral warranties of any kind.

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