

ZINC NITRATE SOLUTION

Description

Zinc Nitrate Solution is produced using the highest quality and purity French process zinc oxide, which consists of crystallites of relatively fine particle size. It is a colorless to pale yellow solution, that is compatible with many liquid fertilizers, micro-nutrients, pesticides, and water. It mixes easily with calcium nitrate, copper nitrate, ammonium nitrate, magnesium nitrate, copper nitrate, manganese nitrate and ferric nitrate.

Uses

- As a fertilizer it helps plant growth and disease resistance
- In the production of other chemicals
- In the production of medicines
- As an automotive catalyst

Handling & Storage

Always conduct a jar test with new tank mixes to verify compatibility. It is recommended the product be stored above 60°F at all times.

Store in a cool place out of direct sunlight. Do not use aluminum, copper or mild steel for storage.

Absorbent combustible materials such as sawdust and other organic materials should never be used to absorb a zinc nitrate solution spill. Use inert absorbent material for this purpose. Water may be used, but note "Environmental Considerations" below. For further information, see the Zinc Nitrate Solution Safety Data Sheet.

Environmental Considerations

As zinc nitrate solution is a hazardous oxidizing liquid, spillage of the liquid must be contained. Secondary containment around tanks must be constructed to control leaks. Wash water should not be permitted to enter sewers or streams.

Shipping

Zinc Nitrate Solution is hazardous and classified as an oxidizer. The US Department of Transportation proper shipping name is: UN1514, Zinc Nitrate Solution, 5.1, PG II. The Emergency Response Guidebook Number is 140. Zinc Nitrate Solution transported in bulk must be placarded.



Chemical & Physical Properties

Chemical Formula	Zn(NO ₃) ₂
CAS Number	7779-88-6
Specific Gravity @ 60°F (15.5°C)	1.595
pH	< 2.0
Salt-Out Temp	45°F (7°C)
Color	Colorless
Odor	No significant odor
Weight per Gallon	13.3 lbs/gal (1.59 kg/L)
Gallons per Ton	150.4 (0.63 L/kg)

Typical Analysis

Nitrogen (N) 7.0% Nitrate Nitrogen	7.0%
Zinc (Zn)	17.00%
Zinc Nitrate (Zn(NO ₃) ₂)	49.25%
Insoluble	< 0.01%
Chloride (Cl)	< 0.01%

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.

Rev: 2016-04



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