

## Product Description

**ZIPP<sup>SOL</sup>**™ is the *ONLY* spray grade ammonium sulfate made as a **PRIMARY** product. **ZIPP<sup>SOL</sup>**™ is **NOT A BY-PRODUCT** of another manufacturing process. Primary ammonium sulfate is made through the reaction of anhydrous ammonia and concentrated sulfuric acid to manufacture the purest, cleanest, most completely soluble product in the market. **ZIPP<sup>SOL</sup>**™ is formulated and packaged to insure it is the highest quality and freedom from contaminants. **ZIPP<sup>SOL</sup>**™ is double screened to assure uniform particle size and dissolves readily in the spray solution for maximum effectiveness.

## Products Specifications

		<u>Typical Sieve Analysis</u>	<u>Typical Result (%)</u>
Total Nitrogen (N) (As Ammoniacal Nitrogen)	21%	+20	24%
Total Sulfur (S) (Derived from Anhydrous Ammonia and Sulfuric Acid)	24%	+28	22%
		+35	16%
Size Guide Number(Typical SGN)	56	+48	12%
Bulk Density (Typical)	75 lbs./ft <sup>3</sup>	+100	16%
		+140	8%
		-140	2%

<u>Formula</u>	<u>Formula Weight</u>	<u>CAS</u>	<u>EINECS No</u>
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	132.14g/mol	7783-20-2	231-984-1

<u>Analysis Assay:</u>	<u>Standard</u>	<u>Typical</u>
	Not < 99.0% and not > 100.5%.	99% to 100%

<u>Impurities:</u>	<u>State of Texas Standards (ppm)</u>	<u>Typical Analysis (ppm)</u>
As - Arsenic	41	< 0.01
Cd - Cadmium	39	< 0.2
Cu - Copper	1500	< 0.5
Pb - Lead	300	< 1
Hg - Mercury	17	0.04
Mo - Molybdenum	18	< 2
Ni - Nickel	420	1
Se - Selenium	100	< 0.01
Zn - Zinc	2800	9
Na - Sodium		11
K - Potassium		3
Mg - Magnesium		8
Ca - Calcium		15
Cl - Chlorine		32

## Packaging

**51# Bags - 40 bags(51#plastic bags at 2040 # / pallet) / pallet, top and bottom cap plus shrink wrap**  
**2000 # Bulkbag (Superbag)– new woven poly one-way superbags on pallet with slip sheet**

## Production Facility

Plainview Plant  
 HCR 2 Box 17 Hwy 194  
 Plainview, Tx 79072-1928



JP Rev. 09-01-06

**ZIPP<sup>SOL</sup>**™  
**Ammonium Sulfate**  
**Soluble Crystal Spray Adjuvant**  
**ZIPP<sup>SOL</sup>**™