

# Technical Bulletin

## Platinum 9% Zinc EDTA

RSA MicroTech, LLC  
P.O. Box 64589, St Paul, MN 55164-0589  
1.800.426.5969 [www.rsamicrotech.com](http://www.rsamicrotech.com)

### Introduction

Platinum 9% Zn EDTA can be used to correct zinc deficiencies in soils and plants. Platinum 9% Zn EDTA is fully chelated with EDTA acid and is widely recognized as an excellent source of zinc for soil applications. Platinum 9% Zn EDTA has low use rates and is compatible with liquid fertilizers containing polyphosphates and orthophosphates.

### Symptoms

Major symptoms of zinc deficiency in corn include:

- shortened internodes
- stunted growth
- yellow to whitish streaking in the leaves (see picture to the right)
- reddish streaks on the stalk near base (with severe deficiency).

### Function of Zinc in Plants

There are a number of functions or processes that zinc is part of in plants including:

- precursor of auxins
- synthesis of chlorophyll and functions in photosynthesis and nitrate assimilation
- activating enzymes in protein synthesis and grain formation
- seed formation and maturity.

### Crops Labeled

**Berries:** blueberry, raspberry, strawberry

**Nut Crops:** almond and other nut crops

**Grain and Other Crops:** alfalfa, barley, canola, corn, edible beans, hops, lentil, mint,



sorghum, soybean, sweet corn, wheat, and cotton

**Vegetables:** broccoli, cabbage, cauliflower, carrot, celery, lettuce, onion, pea, pepper, potato

**Tree and Fruit Crops:** apple, citrus, grape, peach, plum and other tree fruits

### Use Rates and Timing

Platinum 9% Zn EDTA is most often recommended at 1/2 to 2 quarts per acre. It may be used for foliar or soil applications. However, foliar applications should only be made when local experience supports this use.

Platinum 9% Zn EDTA can be applied alone or in combination with liquid fertilizer for pre-plant, starter or side-dress applications. For the most effective treatment of row crops, make soil applications in a band at planting or as a side-dress shortly after planting.

# Technical Bulletin

## Platinum 9% Zinc EDTA

### Storage

Store this product in stainless steel, fiberglass, polyethylene, or certain other plastic materials. Copper or any of its alloys (brass or bronze) should never be used in any chelate handling system. Aluminum tanks are not recommended for storage of this product. Check with equipment manufacturers for compatibility of components prior to use with this product. NOTE: Do not mix or contaminate any EDTA type chelates with strong acid materials.

### Contents

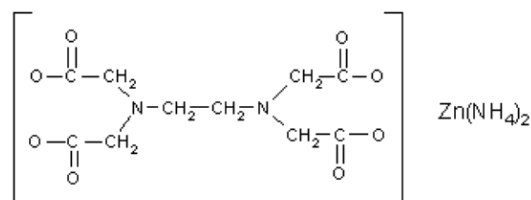
Platinum 9% Zn EDTA is made using high purity French process zinc oxide, EDTA acid and ammonium hydroxide.

#### Guaranteed Analysis 7-0-0

Nitrogen (N).....	7.0%
4% Ammonical Nitrogen	
3% Other Water Soluble Nitrogen	
Zinc(Zn).....	9.0%
9% Chelated Zinc	
Arsenic (As).....	<5 ppm
Cadmium (Cd).....	<5 ppm
Lead (Pb).....	<5 ppm

Derived from zinc diammonium EDTA.

### Technical Specifications



<b>Product class</b>	fertilizer
<b>Formulation</b>	liquid
<b>CAS number</b>	67859-51-2
<b>Formula</b>	EDTA-Zn(NH <sub>4</sub> ) <sub>2</sub>
<b>Molecular weight</b>	389.7
<b>Weight/gallon</b>	11 pounds
<b>Specific gravity</b>	1.32
<b>pH (5% solution)</b>	7
<b>Solubility in water</b>	miscible
<b>Appearance</b>	clear
<b>Odor</b>	slight ammonia
<b>Min. storage temp.</b>	25°F
<b>Container size</b>	bulk 250 gallon mini-bulks 2 x 2.5 gallon package

**This bulletin provides some technical information and is not intended to give complete information for all applications. Always read and follow label directions.**

Platinum 9% Zinc EDTA is manufactured by RSA MicroTech, LLC.

