

**Material Safety Data Sheet**  
**J. R. Simplot Company**  
**AgriBusiness**

Trade Name: Che-Zinc 9%  
Registration No: None

**M77022**

**SECTION 1**

**CHEMICAL PRODUCT AND COMPANY INFORMATION**

Manufactured For: Plant Health Technologies  
PO Box 70013  
Boise, ID 83707

Product Name: Che-Zinc 9%  
Common Name: Chelated Zinc  
Chemical Type: Mineral

Emergency Phone - Chemtrec: 1-800-424-9300

**SECTION 2**

**COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None listed					
			<b>Non-Hazardous</b>		
Diammonium Salt of Zinc Ethylene-Diaminetetraacetic Acid	67859-51-2	Not listed	54%	Not listed	Not available
Water	7732-18-5	H <sub>2</sub> O	46%	Not listed	Not available

**SECTION 3**

**HAZARDS IDENTIFICATION**

**Ingestion:** Single dose oral toxicity is considered to be low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing larger amounts may cause injury.

**Inhalation:** Single exposure to vapors is not expected to pose a hazard; vapors are primarily water.

**Eye Contact:** May cause pain. May cause slight temporary eye aggravation.

**Skin Absorption:** Prolonged or repeated exposure may cause skin aggravation. May cause more severe response if skin is abraded (scratched or cut). A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

**Skin Contact:** Short single exposure not likely to cause significant discomfort. Prolonged or repeated exposure may cause slight to moderate aggravation.

**Effects of Overdose:** No significant toxicological effects were observed in laboratory animals fed the sodium salt of EDTA.

**SECTION 4**

**FIRST AID MEASURES**

**Ingestion:** If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

**Inhalation:** No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

**Eyes:** Flush eyes with plenty of water. Call a physician if discomfort persists.

**Skin:** Wash off in flowing water or shower.

**Note to Physician:** No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

**SECTION 5**

**FIRE FIGHTING MEASURES**

**Extinguishing Media:** This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

**Fire Fighting Instructions:** Keep people away. Isolate fire area and deny unnecessary entry. This material does not burn. Fight fire for other material that is burning.

**Protective Equipment for Fire Fighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots and gloves). If protective equipment is not available or not used, fight fire from a protective location or safe distance.

**SECTION 6**

**ACCIDENTAL RELEASE MEASURES**

**Environmental Precautions:** Prevent wash water from entering natural waterways or public water supplies.

**Steps to be taken in case material is released or spilled:**  
Clean up residual with non-combustible absorbent material and wash with water.

**SECTION 7**

**HANDLING AND STORAGE**

**Precautions to be taken in handling and storing:**  
Do not store in aluminum, copper, copper alloys, zinc or nickel containers. Store between 0 and 120°F.

**SECTION 8**

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ventilation Protection:** Good general ventilation should be sufficient for most conditions.

**Respiratory Protection:** No respiratory protection should be needed.

**Protective Clothing:** Use gloves impervious to this material when prolonged or frequently repeated contact should occur. If hands are cut or scratched, use gloves impervious to this material even for brief exposure.

**Eye Protection:** Use safety glasses.

**Other:** Eyewash fountain in area.

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## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	223°F (106°C)	<b>Solubility in Water:</b>	Completely miscible
<b>Specific Gravity:</b>	1.32 @ 25°C	<b>% Volatiles (by volume):</b>	Not applicable
<b>Flashpoint:</b>	Non-flammable	<b>Vapor Pressure, mm Hg:</b>	Same as water
<b>pH:</b>	Not listed	<b>Reaction with Water:</b>	None
<b>Appearance:</b>	Clear liquid.		
<b>Extinguishing Media:</b>	Non-flammable. Use media suitable to extinguish source of fire.		

## SECTION 10

## STABILITY AND REACTIVITY

<b>Stability (Normal Conditions):</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	None known.
<b>Incompatibility (Material to Avoid):</b>	Avoid contact with oxidizing materials. Avoid contact with metals such as aluminum. Flammable hydrogen is formed in the presence of aluminum.
<b>Hazardous Decomposition Products:</b>	Hazardous decomposition products may include and are not limited to ammonia.
<b>Hazardous Polymerization:</b>	Will not occur

## SECTION 11

## TOXICOLOGY INFORMATION

<b>Skin:</b>	The dermal LD <sub>50</sub> has not been determined.
<b>Ingestion:</b>	The oral LD <sub>50</sub> for rats is >2000 mg/kg.
<b>Mutagenicity:</b>	Most data indicate that EDTA and its salts are not mutagenic. Minimal effects reported are likely due to trace metal deficiencies resulting from chelation by EDTA.

## SECTION 12

## ECOLOGICAL INFORMATION

None listed.

## SECTION 13

## DISPOSAL CONSIDERATIONS

**Waste Disposal Procedures:** Do not dump into any sewers, on the ground or into any body of water. All disposal methods must be in compliance with all Federal, state/provincial and local laws and regulations. Regulations may vary in different locations.

## SECTION 14

## TRANSPORT INFORMATION

<b>Shipping name:</b>	Not regulated by D.O.T.	<b>C.A.S. Number:</b>	See "Ingredients"
<b>Hazard Class:</b>	None	<b>D.O.T. Number:</b>	None
<b>Reportable Quantity (RQ):</b>	None	<b>Haz Waste No:</b>	None
<b>Labels Required:</b>	None	<b>EPA Regist No:</b>	None
<b>Placard:</b>	None		

## SECTION 15

## REGULATORY INFORMATION

**Carcinogenicity:** by IARC?: Yes ( ) No (X) by NTP?: Yes ( ) No (X)  
Not on the 302 list of SARA reportable quantities.

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of SARA: Ammonia (4.7%) and zinc compounds (54%).

## SECTION 16

## OTHER INFORMATION

<b>Flash Point (Test Method):</b>	Non-flammable	<b>Flammable Limits</b>	<b>LOWER</b>	<b>UPPER</b>
<b>Autoignition Temperature:</b>	Not applicable	(% BY VOLUME)	N/A	N/A

MSDS Version Number: 6

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Reviewed by: Environmental, Health, & Safety Department  
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