

**Product Name: ZINC POLYAMINE**  
**Product ID # 03**

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**Section I MANUFACTURER'S INFORMATION**

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MANUFACTURER'S NAME AND ADDRESS:

Northwest Ag Products  
821 S. Chestnut  
Pasco, Wa. 99301

Emergency Telephone Number: 509-547-8234  
Number For Information: 509-547-8234

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**Section II HAZARDOUS INGREDIENTS OF MIXTURES**

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COMPONENT:	%	THRESHOLD LIMIT VALUE(units)
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Zinc Sulfate compound with Amino Acid Chelates		None Established
Inert Ingredients		

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES WHICH ARE REGULATED UNDER SARA, TITLE III, SECT. 313:

Zinc Compounds (see above)	Approx. 17%
Zinc Sulfate (CAS: 7733-02-0)	

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**Section III IDENTITY INFORMATION**

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Chemical Name and Synonyms: Zinc Sulfate

Chemical Family: Amino Acid Chelated Micronutrient solution-ZN

SARA TITLE III HAZARD CATEGORY: immediate Y Fire N

Sudden release of pressure N Delayed N Reactive N

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**Section IV PHYSICAL DATA**

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APPEARANCE AND ODOR: Pale brown liquid with sweet odor.

BOILING POINT (°F): 212°F (100°C)

Specific Gravity (Water=1) 1.295-1.320

Density: 10.5 - 10.67 lbs. gal.

Vapor Pressure (MM. of Mercury) Not Available

Percent Volatile (By Volume): Approx. 30%

Vapor Density (AIR=1): Not Available

Evaporation Rate (Butyl Acetate =1): Lower than Butyl Acetate

Solubility in water: Miscible

pH: 8.5 = 9.5

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**Section V FIRE AND EXPLOSION HAZARD DATA**

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Flash Point (Specify Method/°F): Does not flash; not applicable

Flammable Limits (Percent Volume): Not applicable

Fire Extinguishing Media: Product considered non-combustible, use medium appropriate to surrounding fire, Dry Chemical, Foam, Co2, Water Spray or Fog.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing. Smoke and fumes from fire may contain hazardous components.

Unusual Fire and Explosion Hazards: If water is used to fight fire or cool containers, contain run-off by diking to prevent contamination of water supplies.

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**SECTION VI REACTIVITY DATA**

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Stability: Stable

Conditions to avoid: Excessive heat.

Incompatibility (Materials to avoid): Strong oxidizers.

Hazardous Decomposition Products: Not Known. However, oxides of nitrogen and other hazardous products may be formed in fire situation.

Hazardous Polymerization: Will not Occur.

Conditions to Avoid: None

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**SECTION VII HEALTH HAZARD DATA**

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**EFFECTS OF OVEREXPOSURE:**

Routes of Entry: Ingestion, inhalation, eyes and skin contact. Most likely route of exposure is dermal contact. Product is considered only slightly to moderately toxic. May be harmful if swallowed or inhaled. May cause irritation of eyes, nasal passages, throat and skin. Prolonged or repeated exposure may lead to reddening of skin, rash, dermatitis or other skin reactions.

**EMERGENCY AND FIRST AID PROCEDURES:** Call a physician immediately in all cases of suspected poisoning.

Ingestion: Harmful if swallowed. Call a physician immediately.

**Eyes:** Flush with running water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.

**Skin:** Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse. If irritation persists, get medical attention.

**Inhalation:** Remove to fresh air. If irritation persists, get medical attention.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

POTENTIAL CARCINOGEN STATUS: Not known. None of the components in this product is listed by IARC, NTP or OSHA as a carcinogen.

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**SECTION VIII SPILL OR LEAK PROCEDURES**

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Contain spill; absorb liquids by covering with clay or tuber absorbent material; vacuum, scoop or sweep up wastes and place in container for disposal.

**WASTE DISPOSAL METHOD:**

Material which cannot be used at the site should be disposed of in an approved waste disposal facility recycling or reconditioning, or puncture and dispose of in an approved sanitary landfill. Do not contaminate water supplies by disposal of wastes or containers.

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**SECTION IX SPECIAL PROTECTION INFORMATION**

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**RESPIRATORY PROTECTION:** (Specify type): Not normally required. If vapors may exceed acceptable levels, use OSHA/NIOSH-approved respirator or mask for protection against pesticide dusts, mists and vapors.

**VENTILATION:**

Local Exhaust: Not normally required.

Mechanical (General): Use if ventilation is not adequate.

**PROTECTIVE GLOVES:** Work gloves or impervious gloves recommended.

**EYE PROTECTION:** Not normally required; follow local work rules.

**OTHER PROTECTIVE EQUIPMENT:** Wear clothing consistent with good practices for handling and applying pesticides. Wash clothing before reuse.

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**SECTION X SPECIAL PRECAUTIONS**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Store in a cool, dry place, away from children and food and feed products. Do not contaminate other stored products or the storage area by handling or storage of this product. Immediately clean up any spills which occur during handling and storage. Protect from freezing.

**OTHER PRECAUTIONS:**

Do not contaminate water supplies by handling and storage of product, cleaning of equipment or disposal of wastes. Keep work and storage areas clean. Read and follow precautionary measures on product label.

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**SECTION XII DOT INFORMATION AND DATE**

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DOT CLASSIFICATION: Not regulated DOT LABEL: None required

DATE OF ISSUE 1-02-98

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