

Material Safety Data Sheet

Effective Date: 27-OCT-2011
Product: Teprosyn Zn FL 1-0-0

I. IDENTIFICATION

Chemical Name: Zinc seed treatment
Chemical Family: Nutritional Seed Treatment
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: >100 Degrees C.
Freezing Point: <0 Degrees C.
Spec Gravity: 1.67 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Miscible
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Pink liquid with no odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Blend of plant nutrients derived from Urea and Zinc Oxide.		100.00	N/E	Skin & eye irritant.

GUARANTEED ANALYSIS:
Total Nitrogen (N): 1%
1% Urea Nitrogen
Zinc (Zn): 36%

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not determined
Flammable Limit: Not determined
Extinguishing Media: Non-combustible liquid. Use extinguishing
media suitable for underlying cause of fire.
Use water spray to cool containers.
Special Fire Fight Proc: Wear self-contained breathing apparatus and
full protective clothing.
Fire and Expl Hazard: In combustion, toxic fumes are emitted.

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V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, NTP or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Irritation of the throat may occur if ingested.
Skin Absorption: No hazard anticipated due to skin absorption.
Inhalation: No hazard anticipated due to inhalation.
Skin contact: Mild irritation of the skin may occur at the site of contact.
Eye Contact: Irritation and redness of the eye may occur after contact.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Wash out mouth with water. Consult a doctor.
Skin: Immediately wash affected area with plenty of soap and water. If irritation develops, seek medical attention.
Inhalation: Move to fresh air. If irritation persists, seek medical attention.
Eyes: Flush the eye with water for at least 15 minutes. Consult a doctor.
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Avoid exposure to excessive heat.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Avoid contact with strong oxidizing agents and strong acids.
Hazardous Combustion: In combustion, emits toxic fumes.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Do not discharge into drains or rivers. Absorb

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spilled liquid onto dry earth or sand. Collect and transfer to a closable, labeled salvage container for disposal by an appropriate method.

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: Use air-purifying respirator with particulate filter.

Ventilation: General and/or local exhaust should be sufficient.

Gloves: Protective gloves.

Eyes: Safety glasses.

Other: Eyewash station, impervious apron and footwear.

IX. SPECIAL PRECAUTIONS

Special precaution: Store in a cool, well-ventilated place. Keep container tightly closed when not in use. Do not discharge into water supplies, lakes, streams, ponds or drains.

Other precaution: None currently known. The pH of this product is 9.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.

Hazard Class: None

Identification No: None

Labels Required: None required

Placarding: None

Freight Class: Compound, Fertilizer (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

Chemical Name

Equivalent R.Q.

Not applicable

Not applicable

XI. GENERAL PRODUCT INFORMATION

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

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National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum

Health: 2 Fire: 1 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y Delayed (Chronic) Health: N
Sudden Release of pressure: N Fire: N
Reactive: N

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responsibility. It is offered solely for your consideration, investigation
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