

1: IDENTIFICATION

Technical Name	Soluble metal complex of Zinc disodium 1-Hydroxyethylidene-1,1- Diphosphonic Acid	Trade Name	NUTRIPRO ZINC (ZN 17% HEDP)
Synonyms	Zinc-HEDP chelate	Molecular Formula	$Zn(C_2H_8O_7P_2)$
Uses	Micronutrients		
Manufacturer/ Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients Name:

Soluble metal complex of Zinc disodium 1-Hydroxyethylidene-1,1- Diphosphonic Acid

Hazardous Ingredients: No chemical and biological hazardous ingredient

3: HAZARD IDENTIFICATION

Fire Hazards: No

Safety Phrase(s): Wear suitable protective clothing.

Potential Health Effects: Data not available.

Classification: Non-Hazardous substances.

Health Hazards:

Inhalation: No irritation occurs when spraying a diluted solution.

Skin Contact: Non Irritant

Eye Contact: No eye irritation.

4: FIRST AID MEASURES

General: Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

Inhalation: Product is Non-volatile powder. If inhaled blow out and seek medical attention

Ingestion: Rinse mouth with water thoroughly and give water to drink. Do not induce vomiting. If large quantities consumed, seek medical attention immediately.

Skin Contact: In case of contact with product, wash immediately skin area with plenty of water and soap. Seek medical attention if irritation develops and persists.

Eye Contact: Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

Note to Physician: No specific antidote. Treat symptomatically.

5: FIRE FIGHTING MEASURES

Extinguishing Media: Water fog, alcohol-resistant foam, dry chemical powder or carbon dioxide

Unsuitable Extinguishing Media: None

Special Procedures: Do not discharge extinguishing water into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Move containers away from area if it can be done without risk. If possible without risk, remove containers from fire zone, cool with water spray. Use of contaminated buildings, area and equipment has to be avoided until decontaminated.

Protection of Fire Fighters: Do not breathe a fumes. Wear full protective clothing and self contained breathing apparatus for fire fighting if necessary.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ventilate spillage area. Wear appropriate personal protective equipment to minimize the contact.

Environmental Precaution: Prevent material from entering waterways or storm drains.

Methods for Cleaning-up: Sweep up material and collect in containers for disposal or reuse.

7: HANDLING & STORAGE

Handling: Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Wear appropriate protective safety equipments during product handling. Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with soap and water before and after handling the product. Avoid inhalation. Avoid prolonged or repeated exposure. Good personal hygiene procedures must be practiced.

Storage: Store in dry, cool and well-ventilated area, out of direct sunlight. Keep in original container and tightly closed when not in use. Keep the product away from reach of children and animals. Ensure that storage conditions comply with applicable local and national regulations.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

General Protection: Avoid contact with eyes and skin. Do not inhale. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: Dust mask (N95) recommended for prolonged exposure.

Skin Protection: Wear suitable protective working clothing to avoid skin contact. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

Hand Protection: Work gloves recommended.

Eye Protection: Safety glasses recommended when handling. Safety showers and eyewash should be easily available.

Others: Wash clothing before reusing.

9:PHYSICAL/CHEMICAL PROPERTIES

Appearance: Free flowing powder

Colour: White

Solubility: Soluble in water

Physical State: Solid

Odour: Characteristic

Flash Point: None. Does not flash.

Explosivity: Non-explosive

10:STABILITY & REACTIVITY

Stability: Stable under normal circumstances.

Conditions to Avoid: Extremes of temperature and direct sunlight .

Storage Stability: Stable for three years under normal warehouse conditions.

Materials to Avoid: No data available

Hazardous Decomposition Products: Nature of decomposition not known

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not classified

Toxicological Information: No toxicity data available for this product.

Eye: No eye irritation

Skin: Non-irritant

Inhaled: No irritation occurs when spraying a diluted solution.

Corrosivity: Not classified

Reproductive Toxicity: Not classified

Repeated Dose Toxicity: Not classified

Mutagenicity: Not classified

12: ECOLOGICAL INFORMATION

Ecotoxicity: No ecological data is available for this material.

Potential Environmental Protection: Prevent this material entering waterways, drains and sewers

Persistence / Degradability Mobility: Not available

Bio accumulative: Not available

13: DISPOSAL CONSIDERATION

Spillage Disposal: Do not wash away into sewer. Do not let this chemical enter the environment. Sweep spilled substance into containers, if appropriate, moisten first to prevent dusting. Carefully collect remainder and then remove it to safe place.

Contaminated Packaging: Add rinsing to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return containers to recycler in a local authority of landfill. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Empty containers and product should not be burnt. Disposal must be in accordance with applicable local regulations. Remove non-usable solid materials and/or contaminated soil for disposal in an approved and permitted landfill. Do not flush into surface water or sanitary sewer systems.

14: TRANSPORT INFORMATION

Non-hazardous. Transport with compatible products

15: REGULATORY INFORMATION

The product is not dangerous and requires no special labels. This product has been classified according to the hazard criteria of the Controlled products regulation, and this material safety data sheet contains all the information required by the Controlled products regulation.

Risk Phrases: None

Safety Phrases: Keep out of reach of children. Keep container closed.

16: OTHER INFORMATION

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