

SAFETY DATA SHEET

PRECISION LABORATORIES, LLC

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Wuxal® Terios Zn+**
Supplier: Precision Laboratories, LLC
1429 S. Shields Drive
Waukegan, IL 60085
Product Use: Seed Treatment
Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call: (847) 596-3001

2. HAZARDS IDENTIFICATION

GHS Classification:

Skin Irritation, Category 2, H315

Eye Irritation, Category 2B, H320

Aquatic Hazard (Chronic), Category 2, H411



H315



H411

Signal Word: Warning

Hazard Statements:

H315: Causes skin irritation.

H320: Causes eye irritation.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P264: Wash protective equipment and work clothes thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352: IF ON SKIN: Wash with plenty of water.

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

P321: Treat symptomatically.

P332+P313: If skin irritation occurs: Get medical advice or attention.

P337+P313: If eye irritation persists: Get medical attention or advice.

P362+P364: Take off contaminated clothing and wash it before reuse.

P391: Collect spillage.

Disposal

P501: Dispose of contents/container to disposal plant in accordance with federal, state and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>Weight %</u>
Mixture	Proprietary	100%

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4. FIRST AID MEASURES

IF SWALLOWED: Rinse mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting, unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention. Treat symptomatically. Take off contaminated clothing and wash it before reuse.

IF INHALED: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Other Effects: This product is not a carcinogen by NTP, OSHA and ACGIH.

5. FIREFIGHTING MEASURES

Suitable Extinguishing media: Water, CO₂, dry extinguishing media and foam may be used in areas where this product is stored.

Specific Hazards: Contain escaping vapors with water. Prevent firefighting water from entering surface water or groundwater.

Ambient fire may liberate hazardous vapors. If large quantities of the product are on fire, the formation of nitrous gases and ammonia is possible

PPE and Precautions: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Collect spillage. Isolate area. Keep unnecessary personnel away. Stop the flow of material, if this is without risk.

Absorb material with suitable absorbent and containerize for disposal. Do not allow product to enter sewers, groundwater or waterways.

Disposal: Dispose of collected waste in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Avoid eye and skin contact. Do not inhale vapors or aerosols. Product should be stored in a dry place at temperatures between 41 and 104°F. Do not store in metal containers. Keep container tightly closed in a cool, well-ventilated place; protect from drying. Do not store with food or feed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits:

Occupational exposure limit values

Zinc Oxide

INDEX No. 030-013-00-7 / EC No. 215-222-5 / CAS No. 1314-13-2

OSHA, TWA: 15 mg/m³

Remark: inhalable fraction

NIOSH, TWA: 5 mg/m³

NIOSH, C: 15 mg/m³

Remark: Dusts

OSHA, TWA: 5 mg/m³

Remark: (respirable fraction)

NIOSH, TWA: 5 mg/m³

NIOSH, STEL: 10 mg/m³

Remark: Smoke

ACGIH, TWA: 2 mg/m³

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ACGIH, STEL: 10 mg/m³

Remark: (respirable fraction)

Eye/Face Protections:	Wear protective eyewear. Contact lenses should not be worn when working with chemicals.
Skin Protection:	Wear long-sleeved shirt, long pants, socks, shoes, and barrier laminate, neoprene rubber, nitrile rubber or Viton [®] gloves. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower.
Respiratory Protection:	None required where adequate ventilation conditions exist. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
General Protection:	Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash thoroughly after handling product.
Note:	When selecting personal protective equipment and clothing, follow all of the manufacturer specifications and recommendations that apply to your specific operation and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed. Eye wash fountains and drench showers should be located within a 10 second walk from the work area per ANSI Z358.1-2009.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Green, aqueous crystal suspension	Flammability:	N/D
Odor:	Product Specific Odor	UEL:	N/D
pH:	approx. 7.3	LEL:	N/D
pH at 10 g/L H ₂ O and 20 C:	approx. 7.9	Vapor Pressure:	N/D
Change I physical state:	>100°C evaporation of water	Vapor Density:	N/D
Melting Point:	N/D	Relative Density:	10.94 lbs/gallon
Freezing Point:	N/D	Water Solubility 20°C:	approx. 200 g/L
Boiling Point:	N/D	Partition Coefficient:	N/D
Flash Point:	N/D	Autoignition Temperature:	N/D
Evaporation Rate:	N/D	Decomposition Temperature:	N/D

10. STABILITY AND REACTIVITY

Stability:	Stable
Possibility of Hazardous Reactions:	If larger quantities of the product are on fire, the formation of nitrous gas and ammonia is possible.
Condition to Avoid:	Temperatures above +30°C. Keep the product from drying up.
Incompatible Materials:	Reacts with alkalis liberating ammonia.
Hazardous Decomposition Products:	If larger quantities of the product are on fire, the formation of nitrous gases and ammonia is possible.

11. TOXICOLOGICAL INFORMATION

Quantitative data on the toxicity of this product are not available.

12. ECOLOGICAL INFORMATION

Quantitative data on the ecological effect of this product are not available.

13. DISPOSAL CONSIDERATIONS

Component Waste Numbers: No EPA Waste Numbers are applicable for this product's components.

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Disposal Instructions: Dispose of material in compliance with applicable federal, state and local environmental regulations.

Container Reuse: An empty container can contain product residue, and should not be reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse. **Dispose of container in accordance with federal, state and local environmental regulations.**

14. TRANSPORT INFORMATION

DOT Status (Highway and rail): UN 3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc Oxide) 9, PG III

IATA Status (Air): UN 3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc Oxide) 9, PG III

Marine Pollutant: Yes

15. REGULATORY INFORMATION

TSCA: All components of this product are listed under the regulation of the Toxic Substance Control Act.

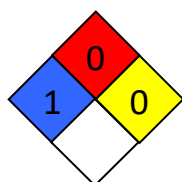
SARA HAZARD: No

16. OTHER INFORMATION

HMIS Hazard Rating

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

NFPA Rating



Date Prepared: November 19, 2013

Last Updated: July 24, 2020

WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, PRECISION LABORATORIES, LLC MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. THE WUXAL TRADEMARK AND MANUFACTURING PROCESS IS UNDER LICENSE OF AGLUKON SPEZIALDÜNGER, DÜSSELDORF, GERMANY.

N/R—Not Rated

N/D—Not Determined

N/A—Not Applicable

N/E—Not Established

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.