

SAFETY DATA SHEET

PRECISION LABORATORIES, LLC

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Wuxal® Top K**
Supplier: Precision Laboratories, LLC
1429 S. Shields Drive
Waukegan, IL 60085
Product Use: Liquid Foliar Fertilizer
Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call: (847) 596-3001

2. HAZARDS IDENTIFICATION

GHS Classification: None

Signal Word: None

Hazard Statements: None

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS Number</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>Weight %</u> |
|------------------|-------------------|-----------------|------------------|-----------------|
|------------------|-------------------|-----------------|------------------|-----------------|

The fertilizer composition is a non-hazardous preparation.

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.

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 spray, foam, CO₂, or dry chemicals may be used in areas where this product is stored.

Specific Hazards: Contain escaping vapors with water. Prevent fire-fighting water from entering surface water or groundwater

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

Products of Combustion: This material is nonflammable. If larger quantities of the product are on fire, the formation of nitrous gases and ammonia are possible.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Evacuate the spill area, except for cleanup personnel. Wear personal protective equipment (PPE) as referenced in Section 8 below. Ensure that the product does not reach the ground-water, water bodies or the drainage

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system. Control spill with adsorbent pads or booms. Recover free liquid. For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal. Product is slippery under foot; flush smooth surfaces thoroughly.

Disposal: Dispose of collected waste in accordance with federal, state and local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. HANDLING AND STORAGE

Keep away from heat, sparks and flame. Keep container sealed when not in use. Safety goggles and eyewash recommended. USDA-accepted nitrile (CFR-20) or neoprene rubber (CFR-21) recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact. Product should be stored in a dry place. Protect the product from impurity and drying up. Do not store in metal containers (corrosion risk). Do not store together with food, beverage and animal feed. Avoid temperature fluctuations. Protect from contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits: None

Eye/Face Protections: Wear splash-proof chemical safety goggles. Contact lenses should not be worn when working with chemicals.

Skin Protection: Wear chemical-resistant gloves, long-sleeved shirt, pants, socks and shoes to minimize skin contact. 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: Not required under normal use conditions with good ventilation. Protect against spray mists.

General Protection: 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.

Personal Protection in Case of Large Spill: Splash goggles, full suit, boots and gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------|----------------------|----------------------------|---------------------|
| Appearance: | Green aqueous liquid | UEL: | N/D |
| Odor: | Product-specific | LEL: | N/D |
| Odor Threshold: | N/D | Vapor Pressure: | N/D |
| pH: | 6.5 | Vapor Density: | N/D |
| Melting Point: | N/D | Relative Density (lbs/gl): | 10.56 ± 0.05 |
| Freezing Point: | N/D | Solubility: | Fully water soluble |
| Boiling Point: | N/D | Partition Coefficient: | N/D |
| Flash Point: | N/D | Autoignition Temperature: | N/D |
| Evaporation Rate: | N/D | Decomposition Temperature: | N/D |
| Flammability: | N/D | VOC: | N/D |

10. STABILITY AND REACTIVITY

Stability: Stable

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

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Condition to Avoid: Avoid direct sunlight and prevent product from drying. Avoid frequent temperature variations.

Incompatible Materials: N/D

Hazardous Decomposition Products: No decomposition if used correctly. The product is stable under normal conditions.

Thermal Decomposition Products: Nitrous gases and ammonia.

11. TOXICOLOGICAL INFORMATION

No toxicological information is available for this product.

12. ECOLOGICAL INFORMATION

No ecological information is available for this product. Ensure that the product does not reach the ground-water, water bodies or the drainage system.

13. DISPOSAL CONSIDERATIONS

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

Disposal Instructions: Dispose of material in compliance with applicable federal, state and local environmental regulations. Recycle or rework material if at all possible. Incinerate material at an approved facility, or treat at an acceptable waste treatment facility or municipal waste treatment plant after proper testing and approval of waste samples.

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.

14. TRANSPORT INFORMATION

DOT Status (Highway and rail): Not Regulated

IATA Status (Air): Not Regulated

Marine Pollutant: No

15. REGULATORY INFORMATION

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

SARA HAZARD: Title III, Section 313: Contains no Section 313 listed substances subject to reporting.

AICS (Australia): Components listed

DSL (Canada): Components listed

EINECS (Europe): Components listed

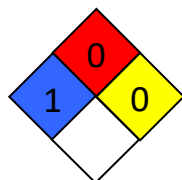
TSCA: Components listed

16. OTHER INFORMATION

HMIS Hazard Rating

| | |
|---------------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | X |

NFPA Rating



Date Prepared: March 18, 2014

Last Updated: April 14, 2017

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PRECISION LABORATORIES, LLC

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.