

ULTRA GRO, LLC  
MATERIAL SAFETY DATA SHEET

Emergency Phone: (559) 661-0977  
CHEMTREC: (800) 424-9300

MSDS Reference: ULTRA GRO, LLC (Rev. 12-16-08)

SECTION 1 – IDENTIFICATION

**\*\*WARNING – MAY CAUSE EYE IRRITATION!!\*\***

Avoid contact with eyes, skin & clothing. Avoid breathing vapor. Use with adequate ventilation. Wash after handling.

PRODUCT: ULTRA GRO, LLC. (ULTRA GRO 7-14-7)  
SYNONYMS: Ammonium Phosphate/Thiosulfate Solution  
Chemical: Proprietary blend  
CAS NO: Mixture – No single CAS No. applicable.

SECTION II – HAZARDOUS INGREDIENTS

COMPOSITION	%	PEL/TLV	HAZARD
NONE	----		

SECTION III – HEALTH INFORMATION

INHALATION: No hazards under normal workplace ventilation  
INGESTION: LD50 > 10,000 mg/kg  
EYE CONTACT: Mixtures of these compounds may cause eye irritation  
SKIN CONTACT: Mixtures of these compounds may cause skin irritation  
OTHER: None experienced or predicted

SECTION IV – OCCUPATIONAL EXPOSURE LIMITS

PEL: NO OSHA PEL  
TLV: NO ACGIH TLV

SECTION V – EMERGENCY FIRST AID PROCEDURE

For overexposure by SWALLOWING: If victim is conscious and able to swallow, quickly have victim drink water or milk to dilute. Do NOT give sodium bicarbonate, fruit juices or vinegar. NEVER give anything by mouth if victim is unconscious or having convulsions. Induce vomiting ONLY if advised by physician or poison control center. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

For overexposure by SKIN CONTACT: Immediately flush skin with plenty of water while removing contaminated clothing. Wash clothing before reuse.

For overexposure by EYE CONTACT: Immediately flush eyes with plenty of cool water for at least 15 minutes. Do not let victim rub eyes. GET MEDICAL ATTENTION IMMEDIATELY.

For overexposure by INHALATION: Immediately remove victim to fresh air. If victim has stopped breathing give artificial respiration, preferably by mouth to mouth. GET MEDICAL ATTENTION IMMEDIATELY.

#### SECTION VI – PHYSICAL DATA

BOILING POINT: 210 Degrees Fahrenheit

VAPOR PRESSURE: 0.25 (psi)

SPECIFIC GRAVITY: 1.3 (water = 1)

pH: 7.5

VAPOR DENSITY: > 1 ( air = 1)

WATER SOLUBILITY: Miscible

APPEARANCE: Brown Liquid

ODOR: Slight Ammonia

#### SECTION VII – FIRE & EXPLOSION HAZARD

FLASH POINT: > 350 Degrees Fahrenheit (pm-astm-d93)

FLAMMABLE LIMITS IN AIR, LOWER: Not Flammable

FLAMMABLE LIMITS IN AIR, UPPER: Not Flammable

NFPA RATING: None

SPECIAL FIREFIGHTING PROCEDURES OR PRECAUTIONS: This material will not create fire, health or environmental hazard with any normal extinguishing techniques. (water, foam, CO<sub>2</sub>, or dry chemicals)

UNUSUAL FIRE OR EXPLOSION HAZARDS: Firefighters should wear self-contained breathing apparatus when there is a possibility of exposure to smoke, fumes or hazardous decomposition products.

#### SECTION VIII – REACTIVITY

STABILITY: Stable

CONDITIONS & MATERIALS TO AVOID: Do not mix directly with strong acids, bases or oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce phosphorous pentoxide.

## SECTION IX – EMPLOYEE PROTECTION

**CONTROL MEASURES:** Provide adequate local exhaust ventilation to maintain concentrations below acceptable exposure criteria (section II & IV).

**RESPIRATORY PROTECTION:** Where exposure is likely to exceed acceptable criteria (sec. II, IV), use NIOSH/OSHA approved respirator. Respirators should be selected based on the form and concentration of the contaminant (29 CFR 1910.134)

**PROTECTIVE CLOTHING:** Wear RUBBER GLOVES and clothes that are impervious to the product for the duration of the anticipated exposure if there is potential for prolonged or repeated skin contact.

**EYE PROTECTION:** Wear SAFETY GLASSES meeting the specifications of ANSI Z87.1 where NO eye contact is anticipated. If there is potential for eye contact, wear SAFETY GOGGLES meeting specifications of ANSI Z87.1.

## SECTION X – ENVIRONMENTAL PROTECTION

**ENVIRONMENTAL PRECAUTIONS:** Avoid the uncontrolled release of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

**SPILL OR LEAK PRECAUTIONS:** Wear appropriate protective equipment (sec IX). Contain spilled material. Transfer to secure containers. If necessary collect with absorbent material. In the event of an uncontrolled release of this material, user should determine if release is reportable under applicable laws and regulations.

**WASTE DISPOSAL:** All recovered material should be packaged, labeled, transported and disposed of or reclaimed in accordance with applicable laws and regulations as well as good engineering practices. Avoid land filling of liquids. Reclaim whenever possible.

## SECTION XI – REGULATORY CONTROLS

**DEPARTMENT OF TRANSPORTATION:**

DOT Classification:               None

## SECTION XII – PRECAUTIONS: HANDLING, STORAGE AND USAGE

Follow normal safe warehousing practices. Keep away from children.

Container classified as hazardous when empty. Since containers contain residue of material, all hazards and precautions listed in other sections of this MSDS must be observed. Take precautions to prevent container damage or puncture during transport and storage.

The information presented herein is believed to be factual as it has derived from the works and opinions of persons believed to be qualified experts; However, nothing contained in this information is to be taken as a warranty or representation for which Ultra Gro, LLC bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

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