



**ULTRA GRO**  
*Ag is Life*  
**ULTRA GRO, LLC**  
**SAFETY DATA SHEET**

DATE PREPARED: 7/10/2019

CURRENT AS OF: 7/10/2019

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT NAME: ULTRA GRO LLC, (ULTRA GRO GAME CHANGER) 2.4 - 11.3 - 10.2  
 SYNONYMS: Ammonium Phosphate/Thiosulfate Solution  
 PRODUCT USE: FERTILIZER  
 CHEMICAL: Proprietary blend  
 MFR INFO: Ultra Gro, LLC  
 1043 S. Granada Drive  
 Madera, CA 93637

FOR EMERGENCY: (559) 661-0977  
 CHEMTREC: (800) 424-9300

**SECTION 2: HAZARDS IDENTIFICATION**

HAZARD SYMBOLS / STATEMENTS:



**WARNING**

**TOXIC IF SWALLOWED**  
**MAY CAUSE SKIN IRRITATION**  
**MAY CAUSE EYE IRRITATION**  
**MAY CAUSE RESPIRATORY IRRITATION**



HAZARD CLASSIFICATIONS:

	<u>CATEGORY</u>	<u>INTERPRETATION</u>
ACUTE TOXICITY	3	MODERATE TO HIGH
SKIN IRRITATION	3	SKIN IRRITATION POSSIBLE
EYE IRRITATION	2 B	EYE IRRITATION POSSIBLE
TARGET ORGAN SYSTEMIC TOXICITY	3	TRANSIENT RESPIRATORY IRRITATION POSSIBLE

PRECAUTIONARY STATEMENTS:

CALL A POISON CENTER/PHYSICIAN IF UNWELL  
 IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE  
 IF IN EYE, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES-REMOVE CONTACT LENSES  
 IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE  
 DO NOT EAT, DRINK, OR SMOKE WHEN USING PRODUCT  
 WASH HANDS AFTER HANDLING  
 USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS

AVOID BREATHING MIST / SPRAY

IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING

STORE CONTAINER TIGHTLY CLOSED, LOCKED UP

DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH THE NATIONAL / REGIONAL / LOCAL REGULATIONS

### SECTION 3: OCCUPATIONAL EXPOSURE LIMITS

#### EXPOSURE LIMITS:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Liquid fertilizer blend	50 ppm (ammonia)	2mg/m <sup>3</sup> (CEILING) (KOH) 25 ppnm (ammonia) 35 ppm (STEL) (ammonia)
	1 mg/m <sup>3</sup> (phosphoric acid)	1 mg/m <sup>3</sup> (phosphoric acid)
	3 mg/m <sup>3</sup> (STEL)	3 mg/m <sup>3</sup> (STEL)

### SECTION 4: FIRST AID MEASURES

IF INHALED:	Move victim to fresh air. Seek medical attention if irritation persists.
IF ON SKIN:	Wash affected areas with soap and water. Seek medical attention if irritation persists.
IF IN THE EYES:	Immediately flush with water for at least 20 minutes. Seek medical attention if
IF SWALLOWED:	If victim is alert and not convulsing, give one glass of water to dilute material, but DO
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

### SECTION 5: FIREFIGHTING MEASURES

Flash Point:	>350 Degrees Fahrenheit (pm-astm-d93)
Flammable limits in air, lower:	Not Flammable.
Flammable limits in air, upper:	Not Flammable.
Extinguishing Media:	This material will not create a fire, health or environmental hazard with any normal extinguishing techniques. (water, foam, CO <sub>2</sub> or dry chemicals)
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. Decomposition products may be toxic.
Special Firefighting Procedures:	Wear full protective clothing and positive-pressure self-contained

breathing apparatus.

**PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:**

- Respiratory Protection:** NIOSH approved particulate / mist respirator, if required
- Eye Protection:** Safety glasses with side shields, goggles, or face shield recommended
- Skin Protection:** Long sleeves, rubber gloves recommended
- Ventilation:** Local exhaust ventilation recommended

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- SPILL/LEAK PRECAUTIONS:** Wear appropriate protective equipment (see sect. IX). Contain spilled material. Transfer to secure containers. If necessary collect with absorbent material. In the event of an uncontrolled release of this mater, user should determine if release is reportable under applicable laws and regulations.
- ENVIRONMENTAL PRECAUTIONS:** Avoid the uncontrolled release of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.
- WASTE DISPOSAL:** All recovered material should be packaged, labeled, transported and disposed of or reclaimed in accordance with applicabel laws and regulations as well as good engineering practices. Avoid land filling of liquids. Reclaim whenever possilbe.

**SECTION 7: HANDLING AND STORAGE**

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 SDS must be observed. Take precautions to prevent container damage or puncture during transport and storage.

**SECTION 8: EXPOSURE CONTROLS / EMPLOYEE PROTECTION**

- CONTROL MEASURES:** Provide adequate local exhaust ventilation to maintain concentrations below acceptable exposure criteria.
- RESPIRATORY PROTECTION:** Where exposure is likely to exceed acceptable criteria, use NIOSH/OSHA approved respirator. Respirators should be selected based on the form and concentration of the contaminant.
- 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 specification 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.

#### **EMERGENCY FIRST AID PROCEDURE**

**Ingestion:** 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.**

**Skin Contact:** Immediately flush skin with plenty of water while removing contaminated clothing. Wash clothing before reuse.

**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.**

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance &amp; Odor:</b>	Brown liquid, Slight Ammonia
<b>pH:</b>	7.2 - 8.5
<b>Melting point:</b>	Not available
<b>Boiling point:</b>	210 degrees Fahrenheit
<b>Flash Point:</b>	> 350 degrees Fahrenheit (pm-astm-d93)
<b>Evaporation Rates:</b>	Not applicable
<b>Flammable limits in air upper and lower</b>	Not flammable
<b>Vapor pressure:</b>	0.25 (psi)
<b>Vapor density:</b>	> 1 (air = 1)
<b>Specific gravity:</b>	1.26
<b>Water solubility:</b>	Miscible
<b>NFPA Rating:</b>	None

#### **SECTION 10: STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Do not mix directly with strong acids, bases or oxidizers.
<b>Incompatibility:</b>	Aluminum, copper, and their alloys; galvanized metal
<b>Hazardous decomposition:</b>	Burning may produce phosphorous pentoxide, HCN, NO <sub>x</sub> , PO <sub>x</sub> , CO <sub>x</sub> , NH <sub>3</sub>

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Health Effects:** Avoid contact with skin, eyes, or clothing. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes.

May cause temporary and reversible eye irritation. May also cause irritation of the skin,

respiratory tract, mucous membranes, and gastrointestinal tract. Inhalation may result in coughing and difficult breathing.

**Carcinogenicity:** None of the ingredients are known / listed carcinogens.

**Ingredient Toxicity ranges:**

**Oral:** 214 mg/kg (potassium hydroxide) -- 14,300 mg/kg (urea)

**Dermal:** 2,730 mg/kg (phosphoric acid)

**Inhalation:** 850 mg/m<sup>3</sup> (1 hr) (phosphoric acid)

**SECTION 12: 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. Contain spilled material. Transfer to secure containers. If necessary collect with absorbent material. In 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 if possible.

**SECTION 13: TRANSPORT INFORMATION**

This product is not regulated as a transportation hazard.

**SECTION 14: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

**SECTION 15: REGULATORY INFORMATION**

**SARA Section 311 / 312 Hazard Category:** Immediate Hazard

**SECTION 16: OTHER INFORMATION**

<b>NFPA RATINGS:</b>	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	0

<b>HMIS RATINGS:</b>	HEALTH	2
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FLAMMABILITY	0
PHYSICAL HAZARD	0

**SDS ID NO:** US001

**PREPARED BY:** UGPF

The information presented herein is believed to be factual as it has been 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 of 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.