

**ULTRA GR, LLC**  
**MATERIAL SAFETY DATA SHEET**

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

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

**SECTION I - 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 25-0-0 NITROGEN)  
SYNONYMS: Ammonium Nitrate  
CHEMICAL: Ammonium Nitrate  
CAS NO: 6484-52-2

**SECTION II - HAZARDOUS INGREDIENTS**

COMPOSITION %	PEL/TLV	HAZARD
Ammonium Nitrate 47.6%	None	Health 1

**SECTION III - HEALTH INFORMATION**

INHALATION: Breathing mist may be irritating to the respiratory tract. See Additional Health Data.  
INGESTION: May be toxic by ingestion. See Additional Health Data.  
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. If irritation persists, get medical attention.

For overexposure by **INHALATION**: Immediately remove victim to fresh air. If victim has stopped breathing give artificial respiration, preferably by mouth to mouth. If any of these effects continue, get medical attention.

#### **ADDITIONAL HEALTH DATA**

This product contains nitrates. Ingestion, inhalation and dermal absorption of nitrates may cause headache, weakness, giddiness, nausea, vomiting, ringing in the ears, mental confusion and occasionally visual disturbances. In the intestines, nitrates may be converted to nitrites which may cause reduced blood pressure, decreased heart rate, confusion, dizziness, fainting, cyanosis and coma.

#### **SECTION VI - PHYSICAL DATA**

BOILING POINT:	230 Degrees Fahrenheit
VAPOR PRESSURE:	No Data Available
SPECIFIC GRAVITY:	1.30 (water = 1)
pH:	6.5-7.5
VAPOR DENSITY:	N/A ( air = 1)
WATER SOLUBILITY:	Soluble in water
APPEARANCE:	Clear liquid
ODOR:	Slight Ammonia

#### **SECTION VII - FIRE & EXPLOSION HAZARD**

FLASH POINT:	N/A
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 a 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 below 400 degrees Fahrenheit.
CONDITIONS & MATERIALS TO AVOID:	Do not mix directly with chlorine and hypochlorites, mercury, copper and strong reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may produce nitrogen oxides and ammonia.

#### **SECTION IX - EMPLOYEE PROTECTION**

**CONTROL MEASURES:** Provide adequate local exhaust ventilation to maintain concentrations below acceptable exposure criteria (sections 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 landfilling 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. Avoid welding or burning pipes, tanks or containers which have contained this product until they have been thoroughly flushed with water. Residual ammonium nitrate may explode under conditions of confinement and high temperatures.

Corrosive to copper, silver, zinc and their alloys.

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 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.

ULTRA GRO, LLC.  
1043 South Granada Avenue  
Madera, Ca. 93637