

**ULTRA GRO, LLC.**  
**MATERIAL SAFETY DATA SHEET**

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

MSDS Reference: ULTRA GRO (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 PLANT FOOD COMPANY (ULTRA GRO 7-0-7-7 Cal-K)

SYNONYMS: Nitrogen, Calcium, Potassium, mixed fertilizer solution

CHEMICAL FAMILY: Inorganic Salt

CAS NO: 10124-37-5

**SECTION II - HAZARDOUS INGREDIENTS**

COMPOSITION	%	PEL/TLV	HAZARD
NONE	—		

**SECTION III - HEALTH INFORMATION**

INHALATION: No hazards under normal workplace ventilation

INGESTION: LD599 > 3,900 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.**

## **SECTION VI - OCCUPATIONAL EXPOSURE LIMITS**

PEL: NO OSHA PEL

TLV: NO ACGIH TLV

## **SECTION VII - EMERGENCY FIRST AID PROCEDURE**

For overexposure by **SWALLOWING**: If victim is conscious and able to swallow, quickly have victim drink water 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 . **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. If irritation persists, get medical attention (should only affect if allergic).

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.**

**INHALATION**: Generally not considered an inhalation hazard

## **SECTION VIII - PHYSICAL DATA**

BOILING POINT: 212 Degrees Fahrenheit

VAPOR PRESSURE: .25 (psi)

SPECIFIC GRAVITY: 1.42

pH: 3.9 - 4.2

VAPOR DENSITY: > 1 (air = 1)

WATER SOLUBILITY: Complete

APPEARANCE: Clear Liquid

ODOR: No apparent odor and / or mild ammonia

Skin Contact: Flush skin immediately and thoroughly with water. If irritation persists, get medical attention (should only affect if allergic).

Inhalation: Generally not considered an inhalation hazard.

Ingestion: If conscious, immediately give large quantities of water and induce vomiting. Get medical attention immediately.

## **SECTION IX: REACTIVITY DATA**

Stability:            Stable X            Unstable \_\_\_

Conditions to avoid: None

Incompatibility (Material to avoid):            Water-reactive materials.

Hazardous decomposition products:            None

Hazardous polymerization:            Will not occur.

## **SECTION X: SPILL LEAK AND DISPOSAL PROCEDURES**

Spills & Leaks:    Since N-P-K-Ca-Mg-S is a fertilizer, it may promote eutrophication in waterways. In the case of a spill, contain spill and maximize recovery. Mop up or pump up promptly in metal or plastic containers.

Waste Disposal Method:

Disposal of N-P-K-Ca-Mg-S fertilizer may be subject to federal, state and local regulations. Users of this product should review their operations in terms of applicable laws and regulations, then consult with appropriate regulatory agent before discharging or disposing.

## **SECTION XI: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:    Respirators are not required under normally ventilated conditions. If misted by heat agitation or spray, use a mist respirator approved by NIOSH. Do not use a single-use type.

Ventilation:            Local Exhaust - adequate  
                                 Mechanical General: only if heated

Protective gloves:            Rubber gloves (only if allergic)

Eye Protection:            Safety glasses are recommended.

Other protective equipment  
and precautions:            Not generally required.

## **SECTION XII: SPECIAL PRECAUTIONS AND COMMENTS**

Storage and Handling Information

Other Precautions: None

DOT Class: N/A

## **SECTION XIII - EMPLOYEE PROTECTION**

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

**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 XIV - 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 XIII). 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 XV - REGULATORY CONTROLS**

DEPARTMENT OF TRANSPORTATION:

DOT Classification:       None

#### **SECTION XVI - PRECAUTIONS: HANDLING, STORAGE AND USAGE**

Follow normal safe warehousing practices. **Keep away from children.**

Container classified as hazardous when empty. Since containers 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 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.

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