

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

DATE PREPARED: 9/7/2018

CURRENT AS OF: 9/7/2018

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

**PRODUCT NAME:** ULTRA GRO - 5% Mn  
**PRODUCT USE:** Agriculture- Chelated Micronutrient Refer to product label for application instructions.  
**PRODUCT RESTRICTIONS:** None known  
**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**

**Physical hazards:** Not classified.  
**Health hazards:** Not classified.  
**OSHA defined hazards:** Not classified.  
**Label elements:**  
    **Hazard symbol:** None  
    **Signal word:** None  
    **Hazard statement:** The substance does not meet the criteria for classification.  
    **Precautionary statement:**  
        **Prevention:** Observe good industrial hygiene practices.  
        **Response:** Wash hands after handling.  
        **Storage:** Store away from incompatible materials.  
        **Disposal:** Dispose of waste and residues in accordance with local authority requirements.  
**Hazard(s) not otherwise classified (HNOC):** Not classified.  
**Supplemental information:** Not applicable.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Mixtures

Non-hazardous components			
Chemical name	Common name an synonyms	CAS number	%
Manganese EDTA Salt	Diammonium	15375-84-5	30-<40
Other components below reportable levels			60-<70

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

**SECTION 4: FIRST AID MEASURES**

**Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist.  
**Skin contact:** Wash off with soap and water. Get medical attention if irritation develops and persist.  
**Eye contact:** Rinse with water. Get medical attention if irritation develops and persists.

<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms, effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### **SECTION 5: FIREFIGHTING MEASURES**

<b>Suitable Extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Move container from fire area if it can be done without risk.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. For personal protection see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	<p><b>Large Spills:</b> Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place in containers. Following product recovery, flush area with water.</p> <p><b>Small Spills:</b> Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of SDS.</p>
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

#### **SECTION 7: HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

#### **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	If contact is likely, safety glasses with side shields are recommended.
<b>Skin protection</b>	
<b>Hand protection</b>	For prolonged or repeated skin contact use suitable protective gloves.
<b>Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards  
General hygiene  
considerations**

Wear appropriate thermal protective clothing, when necessary.  
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.  
Routinely wash work clothing and protective equipment to remove contaminants.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	
Physical state	Liquid
Form	Liquid
Color	Light pink to Light orange
<b>Odor</b>	Slight. Ammonical.
<b>Odor threshold</b>	Not available
<b>pH</b>	6 - 8
<b>Salt-Out/Crystallization Temp</b>	Not available
<b>Melting point/freezing</b>	Not available
<b>Initial boiling point and boiling range</b>	>212 f (> 100 C) Estimated
<b>Flash point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid,gas)</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
Flammability limit-lower %	Not available
%	
Explosive limit-lower%	Not available
Explosive limit-upper %	Not available
<b>Vapor pressure</b>	0 hPa estimated <0 kPa at 25C
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility (ies)</b>	1
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Other information</b>	
Specific gravity	1.18 - 1.2 (@ 68 degrees F)
Percent volatile	61.6 % estimated
<b>pH in aqueous solution</b>	6 - 8 (2% solution)
<b>Pounds per gallon</b>	9.84 - 9.96 (@ 68 degrees F)
<b>Density</b>	1.18 - 1.2 g/cm# (@68 degrees F)
<b>Molecular formula</b>	C10H12MnN2O8.2NH4

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation	Due to lack of data the classification is not possible.
Skin contact	Due to lack of data the classification is not possible.
Eye contact	Due to lack of data the classification is not possible.
Ingestion	Based on available data, the classification criteria are not met.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

Acute toxicity	Not available
Skin corrosion/irritation	Due to lack of data the classification is not possible.
Serious eye damage/eye irritation	Due to lack of data the classification is not possible.
Respiratory or skin sensitization	
Respiratory sensitization	Due to lack of data the classification is not possible.
Skin sensitization	Due to lack of data the classification is not possible.
Germ cell mutagenicity	No data available to indicate product or any components present at greater the 0.1% are mutagenic or genotoxic.
Carcinogenicity	Due to lack of data the classification is not possible.
Reproductive toxicity	Due to lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to lack of data the classification is not possible.
Aspiration hazard	Due to lack of data the classification is not possible.
Further information	This product has no known adverse effect on human health.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues/unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (See: disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: TRANSPORT INFORMATION

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	

Not regulated as dangerous goods.

**SECTION 15: REGULATORY INFORMATION**

**US federal regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance list (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313(TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated

**Clean Air Act (CAA) Section 112r Accidental Release Prevention (40 CFR 68.130)**

Not regulated

**Safe Drinking Water Act (SDWA)** Not regulated

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Not listed.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations**

**US. California Proposition 65**

Not listed.

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPERATION OR LAST REVISION**

**Issue date** 9/17/2018

**Version #** 1

**Further information** Not available

**PREPARED BY:** Ultra Gro, LLC

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