



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 25-0-0 NITROGEN

PRODUCT USE: Nitrogen Fertilizer Solution

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

Classification of the substance or mixture:



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation

Eye Irrit. 2B H320 Causes eye irritation

Label elements:

GHS label elements

The product is classified and labeled according to the Globally Harmonized System(GHS).

Hazard pictograms:



GHS07

Signal word: Warning

Hazard-determining components of labeling:

Monocarbamide Ammonium Nitrate

Hazard statements:

H302 Harmful if swallowed.

H315+H320 Causes skin and eye irritation

Precautionary statements:

P280 Wear protective gloves

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell

P321 Specific treatment (see a supplementary first aid instructions on the Safety Data Sheet)

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P330 Rinse mouth

P302+P352 IF ON SKIN: Wash with plenty of water

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

0 % of the mixture consists of components of unknown toxicity.

Classification system:

NFPA ratings (scale 0 - 4)

Health = 1

Fire = 0

Reactivity = 0

HMIS ratings (scale 0 - 4)

Health = 1

Fire = 0

Reactivity = 0

Hazard(s) not otherwise classified (HNOC): None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous Components:				
	Monocarbamide Ammonium Nitrate			70-90%
	Acute Tox. 4, H302; Skin Irrit 2, H315			
CAS: 57-13-6	Urea			<2.5%
RTECS: YR 6250000				

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of S 1910.1200 of 29 CFR 1910.1200 Trade Secrets.

SECTION 4: FIRST-AID MEASURES

Description of first aid measures:

General information:

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. If skin irritation occurs, consult a doctor

After eye contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor

After swallowing:

Immediately call a doctor. Do not induce vomiting without medical advice.

Information for doctor:

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES**Extinguishing media:****Suitable extinguishing agents:**

CO2 extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters:

Nitrate salts can support combustion under certain conditions. Do not allow product to evaporate to dryness. Emergency responders in the immediate hazard area should wear bunker gear. When nitrate salts can support combustion under certain conditions. Do not allow product to evaporate to dryness. Emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant. Isolate immediate hazard area and keep unauthorized personnel out. Stop spill release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Water spray may be useful in minimizing or dispersing vapors. Cool equipment exposed to fire with water, if it can be done with minimal risk.

Protective equipment:

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Not required.

Environmental precautions:

Dilute with plenty of water

Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of collected material according to regulations.

SECTION 7: HANDLING AND STORAGE**Handling****Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common store facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s): No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Components with occupational exposure limits:

The following constituent is the only constituent of the product which has a PEL, TLV, or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing equipment: Not required.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation

Select glove material based on penetration times, rates of diffusion and degradation.

Eye protection:

Safety glasses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General information

Appearance:

Form	Liquid
Color	Colorless
Odor	Odorless
Odor threshold	Not determined
pH-value	Not applicable
Change in condition	Not determined
Melting point/Melting range	
Boiling point/Boiling range	212c (414f)
Flash point	None
Flammability	Not applicable
(solid, gaseous):	
Ignition temperature:	Not determined
Decomposition temp:	Not determined

Auto igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard
Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Vapor pressure:	Not determined
Density@20c (68f)	1.33 g/cm ³ (11.099 lbs/gal)
Relative density	Not determined
Vapor density:	Not determined
Evaporation rate:	Not determined
Solubility in/Miscibility with:	
Water:	Fully miscible
Partition coefficient(n-octanol/water):	Not determined
Viscosity:	
Dynamic:	Not determined
Kinematic:	Not determined
Solvent content:	
Organic solvents:	0.00%
Water:	19.00%
Solids Content:	2.00%
Other information:	No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No further relevant information available.

Chemical Stability: Stable under normal conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials:

Avoid contact with combustible, organic, or other readily oxidizable materials. Avoid contact with strong acids and chlorates or other strong oxidizers. Contact with the alkaline materials may liberate ammonia.

Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:

LD/LC50 values that are relevant for classification:

Monocarbamide Ammonium Nitrate

Inhalative	LC50/4 h	103 mg/l (daphnia)
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57-13-6 Urea

Oral	LD50	8471 mg/kg (rat)
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Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eye: Irritating effect.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

Carcinogenic Categories:

IARC (International Agency of Research on Cancer):

No of the ingredients are listed.

NTP (National Toxicology Program):

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

Acquatic toxicity:

57-13-16 Urea

EC50 >10000mg/l (daphnia)

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Water treatment methods:

Recommendation:

Observe all federal, state and local environmental regulations when disposing of this material.

Uncleaned packagings

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: ?Water, if necessary with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

UN - NUMBER:

DOT, ADR, IMDG, IATA Non-Regulated Material

UN proper shipping name:

DOT, ADR, IMDG, IATA Non-Regulated Material

Transport hazard class(es):

DOT, ADR, IMDG, IATA

Class: Non-Regulated Material

Packing group:

DOT, ADR, IMDG, IATA Non-Regulated Material

Environmental hazards: Not applicable.
Special Precautions for user: Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable
UN "Model Regulation": Non-Regulated Material

SECTION: 15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

SARA (Superfund Amendments and Reauthorization):

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

57-13-6 Urea

7732-18-5 Water, distilled water, deionized water

California Proposition 65:

Chemicals known to cause cancer:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Carcinogenic categories:

EPA (Environmental Protection Agency):

57-13-6 Urea

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

NIOSH-Ca (National Institute of Occupational Safety and Health):

None of the ingredients are listed.

SECTION 16: OTHER INFORMATION

Revisions: This SDS was reformatted to comply with the new Hazard Communication Standard dated September 7, 2018.

PREPARED BY: Ultra Gro, LLC

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