



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 -8-16-8 NPK

PRODUCT USE: FERTILIZER

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:



DANGER

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



HAZARD CLASSIFICATIONS:

ACUTE TOXICITY

CATEGORY

3

INTERPRETATION

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: COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Liquid fertilizer blend	9-18-9 Diamond	Mixture	100.0

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. Wash contaminated clothing before re-use
IF IN THE EYES:	Immediately flush with water for at least 20 minutes. Seek medical attention if irrigation persists.
IF SWALLOWED:	If victim is alert and not convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. Seek immediate medical attention.
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required.
SPECIFIC FIRE HAZARDS:	Decomposition products may be toxic.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL/RELEASE PROCEDURES:	Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.
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ENVIRONMENTAL PRECAUTIONS: Prevent spilled material from entering storm drains or water bodies.

PROTECTIVE EQUIPMENT: See Section 8

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

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 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear liquid with slight ammonia odor
pH:	7.0 - 7.5
MELTING POINT:	Not applicable
BOILING POINT:	Not available
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not available
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not available

SPECIFIC GRAVITY: 1.31
SOLUBILITY (IN WATER): Soluble
PARTITION COEFFICIENT: Not available
AUTO IGNITION TEMP: Not applicable
DECOMPOSITION TEMP: Not applicable
ODOR THRESHOLD: Not available
VISCOSITY: Not available

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable.
CONDITIONS TO AVOID: Contact with strong acids
INCOMPATIBILITY: Aluminum, copper, and their alloys; galvanized metal
HAZARDOUS DECOMPOSITION PRODUCTS: HCN, NO_x, PO_x, CO_x, NH₃

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: 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. Significant overexposure could potentially result in tearing of the eyes, increased pulse rates, increased blood pressure, skin blisters, vomiting, corneal ulcers, and blindness

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/m³ (1 hr) (phosphoric acid)

SECTION 12: ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	0

HMIS RATINGS:	HEALTH	2
	FLAMMABILITY	0
	PHYSICAL HAZARD	0

PREPARED BY: Ultra Gro, LLC

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