



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 - 2-16-16 NPK Spectrum

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:

CATEGORY

INTERPRETATION

ACUTE TOXICITY

3

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	3-18-18 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.
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 <sup>3</sup> (CEILING) (KOH)
		25 ppnm (ammonia)
		35 ppm (STEL) (ammonia)
	1 mg/m <sup>3</sup> (phosphoric acid)	1 mg/m <sup>3</sup> (phosphoric acid)
	3 mg/m <sup>3</sup> (STEL)	3 mg/m <sup>3</sup> (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:	7.2 - 8.5
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:	1.38
SOLUBILITY (IN WATER):	Soluble
PARTITION COEFFICIENT:	Not available
AUTO IGNITION TEMP:	Not applicable
DECOMPOSITION TEMP:	Not applicable
ODOR THRESHOLD:	Not available
VISCOSITY:	Not available

## **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<sub>x</sub>, PO<sub>x</sub>, CO<sub>x</sub>, NH<sub>3</sub>

## **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

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/m<sup>3</sup> (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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