

# MATERIAL SAFETY DATA SHEET

## Foli-Gro 3-18-18

### I. NAME

PRODUCT/TRADE NAME: FOLI-GRO 3-18-18  
EPA REGISTRATION #: None  
CHEMICAL NAME/COMMON NAME:  
Urea/Urea  
Ammonium Hydroxide/Aqua Ammonia  
Phosphoric Acid/Phosphoric Acid  
Potassium Hydroxide/Potassium Hydroxide  
Monoammonium Phosphate/MAP

### II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Urea	57-13-6	NE	NE
Aqua Ammonia	1336-21-6	NE	NE
Phosphoric Acid	7664-38-2	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
Potassium Hydroxide	1310-58-3	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
Monoammonium Phosphate	7722-76-1	NE	NE

### III. PHYSICAL DATA

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): NE  
MELTING POINT: NA  
VAPOR DENSITY (AIR = 1): NE  
% VOLATILES BY VOL.: NE  
ODOR: Ammonia  
APPEARANCE: Green Liquid  
FLASH POINT/METHOD: NA  
VAPOR PRESSURE (mmHg): NA  
SOLUBILITY IN H<sub>2</sub>O: Soluble

### IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: ☒ Water Fog ☐ Foam ☐ Alcohol Foam  
☐ CO<sub>2</sub> ☐ Dry Chemical ☐ Other

#### FIRE FIGHTING PRECAUTIONS & HAZARDS:

Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Avoid breathing smoke or spray mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

### V. CARCINOGEN STATUS

☐ OSHA ☐ NTP ☐ IARC ☒ No Listing Type

### VI. REACTIVITY

☒ Stable ☐ Unstable HAZARDOUS POLYMERIZATION  
☐ May Occur ☒ Will Not Occur  
AVOID: Bases, oxidizers, potassium chlorate, potassium nitrate, chlorine, hypochlorates  
HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>x</sub>, NO<sub>x</sub>, NH<sub>3</sub>, PO<sub>x</sub>

### VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Absorb with inert material and vacuum or sweep into disposal container.  
DECONTAMINATION: Treat spill area with detergent and water. Repeat as necessary until area is clean.  
ENVIRONMENTAL HAZARDS: May be toxic to aquatic organisms. Dike to prevent entering drains, sewers or water courses.  
DISPOSAL: Dispose of in accordance with Federal, state and local regulations.

### VIII. HEALTH PRECAUTION DATA

INGESTION: Do not ingest. Wash thoroughly before eating, drinking or smoking. May be irritating to the mouth, throat, stomach and esophagus.  
INHALATION: No PEL/TLV established for this product. PEL/TLV for Phosphoric Acid is 1 mg/m<sup>3</sup>, and Potassium Hydroxide is 2 mg/m<sup>3</sup>. May be irritating to the respiratory tract. Use proper respiratory protection for the exposures encountered.  
SKIN ABSORPTION: Can cause severe skin irritation. Wear proper personal protective equipment to reduce skin exposure.  
EYE EXPOSURE: May cause severe eye irritation. Wear proper eye protection to reduce splash exposure. If exposed, flush eyes for a minimum of 15 minutes with water.

EFFECTS OF OVEREXPOSURE: Can cause respiratory tract and eye irritation. Ingestion could cause corrosive deterioration of digestive system tissue and ingestion of large amounts may result in vomiting and diarrhea and excessive fluid loss. No known chronic effects. Preexisting medical conditions involving the above symptoms may be aggravated by exposure.

FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water and induce vomiting. Do not induce vomiting if person is unconscious. For skin exposure, remove contaminated clothing and wash with soap and water. For eye exposure, flush eyes with water for a minimum of 15 minutes. If inhaled, remove victim to fresh air, and administer CPR if necessary.

### IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear only NIOSH/MSHA - approved respirator for the exposures encountered. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposure operations.

PERSONAL PROTECTIVE EQUIPMENT: Work gloves, safety goggles or glasses with side shields and brow protection.

VENTILATION: General ventilation.

### X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions. May be corrosive to copper, brass, steel, aluminum and concrete.

### XI. REGULATORY DATA

SARA HAZARD CLASS: ☒ Acute ☐ Chronic ☐ Flammable  
☐ Pressure ☐ Reactive ☐ None

SARA 313: ☐ Yes ☒ No Chemical:

SARA 302: ☐ Yes ☒ No Chemical:

TPQ:

CERCLA: ☐ Yes ☒ No Chemical:

RQ:

RCRA: ☐ Yes ☒ No

#### NFPA HAZARD RATING:

Health: [2]  
Fire: [1]  
Reactivity: [0]  
Special: []

#### HMIS CODES:

Health: [2]  
Fire: [1]  
Reactivity: [0]

#### NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious  
1 = Slight 4 = Severe  
2 = Moderate

#### HMIS HAZARD RATING SCALE:

0 = Minimal 3 = Serious  
1 = Slight 4 = Severe  
2 = Moderate

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\*Technical Material NE - Not Established NA - Not Applicable

**24 Hour Emergency Phone Number**  
**CHEMTREC: (800) 424-9300**

