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**SECTION 1: Identification**

**1.1 GHS Product identifier**

Product name Synstack™ Marine

**1.2 Other means of identification**

UG 7-14-7  
7-14-7

**1.3 Recommended use of the chemical and restrictions on use**

Agricultural / Horticultural use Fertilizer

**1.4 Supplier's details**

Name Ultra Gro LLC  
Address 1043 S Granada Ave  
Madera CA 93637  
USA  
Telephone (559) 661-0977  
Email office@ultragro.com

**1.5 Emergency phone number**

1-800-424-9300 - CHEMTREC - U.S. Canada, Puerto Rico - 24 Hrs

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**SECTION 2: Hazard identification**

**General hazard statement**

This material is not considered hazardous

**2.1 Classification of the substance or mixture**

**GHS classification in accordance with: This material is not considered hazardous**

Not a hazardous substance or mixture.

**2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Other hazards which do not result in classification**

Not a hazardous substance or mixture.

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**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous components**

**1. Polyphosphoric acids, ammonium salts**

Concentration 1 - 5 % (weight)  
EC no. 269-789-9  
CAS no. 68333-79-9

**2. Potassium phosphate Monobasic**

Concentration 10 - 30 % (weight)  
EC no. 231-913-4  
CAS no. 7778-77-0

**3. Potassium phosphate, dibasic**

Concentration 10 - 30 % (weight)  
CAS no. 7758-11-4

**4. Urea**

Concentration 1 - 5 % (weight)  
EC no. 200-315-5  
CAS no. 57-13-6

**5. UG Proprietary Blend of Non-Hazardous Ingredients**

Concentration 10 - 30 % (weight)

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## Synstack™ Marine

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### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

If inhaled,	Move to fresh air and keep comfortable; seek medical attention if unwell.
In case of skin contact,	Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
In case of eye contact,	immediately flush with water for 15-20 minutes, remove contact lenses if present, and continue rinsing if it is easy. Seek medical attention if irritation persists.
If swallowed,	Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Seek medical attention if unwell.

#### 4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

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### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Use media suitable for surrounding fire. No special media is required.

#### 5.2 Specific hazards arising from the chemical

This product will emit toxic oxides/fumes and ammonia when heated to decomposition.

#### 5.3 Special protective actions for fire-fighters

Wear full protective clothing and positive-pressure self-contained breathing apparatus.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment, and emergency procedures

Contain material and place it in containers for use as intended or discard according to federal, state, and local regulations.

#### 6.2 Environmental precautions

Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities.

#### 6.3 Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash the site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of the spill to prevent further movement. Recover by pumping or using a suitable absorbent material and place it into containers for later disposal. Dispose in the appropriate waste container.

#### Reference to other sections

Wear PPE according to Section 8

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Wash hands after handling the material. Do not eat, drink, or smoke while handling the material. Avoid breathing vapors/mists. Not intended for human consumption.

#### 7.2 Conditions for safe storage, including any incompatibilities

Do not store food or feedstuffs. Store in a cool, dry, well-ventilated area away from incompatible materials.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

1. Polyphosphoric acids, ammonium salts (CAS: 68333-79-9)
2. Potassium phosphate Monobasic (CAS: 7778-77-0)
3. Potassium phosphate, dibasic (CAS: 7758-11-4)
4. Urea (CAS: 57-13-6)
5. UG Proprietary Blend of Non-Hazardous Ingredients

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### 8.2 Appropriate engineering controls

General industrial hygiene practice.

Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Safety glasses with side shields, goggles, or face shields.

#### Skin protection

Appropriate for the task. Impervious and compatible with material.

#### Respiratory protection

NIOSH-approved respirator, if required. Use with adequate ventilation.

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## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

Physical state	Liquid
Appearance	Clear / Brown Liquid
Color	Brown
Odor: Slight ammonia and fish odor	
Odor threshold	Not Available
Melting point/freezing point	Not Available
The boiling point or initial boiling point and boiling range	Not Available
Flammability	Not Applicable
Lower and upper explosion limit/flammability limit	Not Applicable
Flash point	Not Applicable
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Available
pH	6.5 – 7.5
Kinematic viscosity	Not Available
Solubility	Soluble
Partition coefficient n-octanol/water (log value)	Not Available
Vapor pressure	Not Available
Evaporation rate	Not Available
Density and/or relative density	1.28
Relative vapor density	Not Available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product is stable.

### 10.2 Chemical stability

The product is stable.

### 10.3 Possibility of Hazardous Reactions

None under normal use conditions.

### 10.4 Conditions to avoid

Heat and contact with strong acids

### 10.5 Incompatible materials

Strong acids, bases, oxidizers, soft metals, and alloys

### 10.6 Hazardous decomposition products

Toxic oxides/fumes and ammonia.

HCN, NOx, POx, COx, NH3

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

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)

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**Skin corrosion/irritation**

It may cause skin irritation.

**Severe eye damage/irritation**

It may cause temporary and reversible eye irritation.

**Respiratory or skin sensitization**

It may also irritate the skin.

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

None of the ingredients are known/listed carcinogens.

**Reproductive toxicity**

No data available

**Specific target organ toxicity (STOT) - single exposure**

No data available

**Specific target organ toxicity (STOT) - repeated exposure**

No data available

**Aspiration hazard**

It may also irritate the respiratory, mucous, and gastrointestinal tract.

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**SECTION 12: Ecological information****Toxicity**

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

**Persistence and degradability**

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

**Bioaccumulative potential**

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

**Mobility in soil**

This product is water soluble and will move with water through the soil.

**Other adverse effects**

Long-term degradation products may arise. Products of degradation are not expected to be hazardous. Excessive nutrients in waterways may cause algal blooms that may harm aquatic life.

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**SECTION 13: Disposal considerations****Disposal methods****Product disposal**

Use product for intended purpose where possible. Dispose of by all national, regional / state, and local regulations.

**Waste treatment**

Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities.

**Sewage disposal**

Prevent spilled material from entering sewage systems. If material enters a sewage system, notify the appropriate authorities.

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**SECTION 14: Transport information****DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

# Safety Data Sheet

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### SECTION 15: Regulatory information

#### 15.1 Safety, health, and environmental regulations specific to the product in question

##### US EPA TSCA public inventory

Chemical name: Polyphosphoric acids, ammonium salts  
CAS number: 68333-79-9

##### US EPA TSCA public inventory

Chemical name: Potassium phosphate Monobasic  
CAS number: 7778-77-0

##### US EPA TSCA public inventory

Chemical name: Potassium phosphate, dibasic  
CAS number: 7758-11-4

##### US EPA TSCA public inventory

Chemical name: Urea  
CAS number: 57-13-6

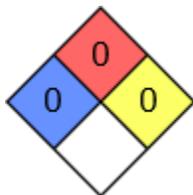
#### 15.2 Chemical Safety Assessment

SARA 311/312: No requirements  
SARA 313: No requirements  
REPORTABLE QUANTITY: No requirements  
RIGHT-TO-KNOW: No requirements  
CA PROP 65: No requirements

##### HMIS Rating

Synstack Marine	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

##### NFPA Rating



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### SECTION 16: Other information

#### 16.1 Further information/disclaimer

The information and data contained herein are based upon facts considered correct as of the date. Information is supplied upon the condition that the persons receiving it will determine its suitability for their purposes before use. In no event will Ultra Gro, LLC be responsible for damages resulting from the use or reliance upon this information. No representations or warranties, expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder concerning information or the product to which this information refers.

#### 16.2 Preparation information

Ultra Gro, LLC