



# ULTRA GRO LLC

## Safety Data Sheet

### Rhizoplex K

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#### SECTION 1: Identification

##### 1.1 GHS Product identifier

Product name Rhizoplex K

Product number Rhizoplex K

##### 1.2 Other means of identification

Rhizo-K  
UG Rhizo-K  
UG 0-4-20  
0-4-20

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

Agricultural / Horticultural Use - Commercial 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

(559) 661-0977

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#### SECTION 2: Hazard identification

##### General hazard statement

May cause eye irritation.  
Exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200).

##### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

##### GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

Not a hazardous substance or mixture.

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

Not a hazardous substance or mixture.

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### 2.3 Other hazards that do not result in classification

Not Applicable

#### Statement regarding ingredients of unknown toxicity

No known significant effects or critical hazards.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Potassium acetate

Concentration 15 - 40 % (weight)  
EC no. 204-822-2  
CAS no. 127-08-2

##### 2. Potassium phosphate Monobasic

Concentration 3 - 7 % (weight)  
EC no. 231-913-4  
CAS no. 7778-77-0

##### 3. Potassium phosphate dibasic

Concentration 1 - 5 % (weight)  
EC no. 231-834-5  
CAS no. 7758-11-4

##### 4. Urea

Concentration 0.1 - 1 % (weight)  
EC no. 200-315-5  
CAS no. 57-13-6

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

Concentration 5 - 10 % (weight)

#### Trade secret statement (OSHA 1910.1200(i))

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

#### General advice

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 15-20 minutes, remove contact lenses if present and easy to remove, and continue rinsing. 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.

#### If inhaled

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If irritation persists, call a doctor for treatment advice.

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In case of skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15-20 minutes. If irritation persists, call a poison control center or doctor immediately for treatment advice.
In case of eye contact	Hold eyelid open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor immediately for treatment advice.
If swallowed	Wash out mouth with water. Remove the victim to fresh air and keep them at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Personal protective equipment for first-aid responders	No action shall be taken involving any personal risk or without suitable training.

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

Not expected to present a significant hazard under anticipated conditions of everyday use  
May cause eye irritation.  
May cause gastrointestinal discomfort.

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

Treat symptomatically.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use media suitable for the surrounding fire. No special media required. Material will not burn.

### 5.2 Specific hazards arising from the chemical

The product is non-reactive under normal conditions of use, storage, and transport.

Potassium phosphate dibasic: Potassium oxides

### 5.3 Special protective actions for fire-fighters

Fire-fighters should wear appropriate protective equipment and a self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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## SECTION 6: Accidental release measures

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

Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection, see section 8.

### 6.2 Environmental precautions

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

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

Contain material and place in containers for use as intended, or discard according to Federal, State, and Local regulations.

Stop the leak without risk. Move containers from the spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure good ventilation of the workstation. Wear personal protective equipment. : Do not eat, drink, or smoke when using this product. Always wash your hands after handling the product.

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

Do not store with 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. Potassium acetate (CAS: 127-08-2)

### 8.2 Appropriate engineering controls

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

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

#### Eye/face protection

Use chemical safety goggles and/or a full face shield when splashing of solutions is possible. Maintain eye wash and quick-drench facilities in the work area.

#### Skin protection

Wear impervious protective clothing, including boots, gloves, a lab coat, an apron, or coveralls, as appropriate to prevent skin contact.

#### Body protection

Wear impervious protective clothing, including boots, gloves, a lab coat, an apron or coveralls, as appropriate to prevent skin contact.

#### Respiratory protection

For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. NIOSH-approved particulate/mist respirator, if required.

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## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Color	Tan to brown
Odor	Slight earthy
Odor threshold	No data available
Melting point/freezing point	10F

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Boiling point or initial boiling point and boiling range	Not applicable
Flammability	Not flammable
Lower and upper explosion limit/flammability limit	No data available
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
pH	7.0 to 8.0
Kinematic viscosity	Not available
Solubility	Miscible
Partition coefficient n-octanol/water (log value)	No data available
Vapor pressure	No data available
Evaporation rate	No data available
Density and/or relative density	1.24 or 10.33 lbs/gallon
Relative vapor density	Not available

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Stable under normal conditions of use and storage.

#### 10.2 Chemical stability

The product is stable

#### 10.3 Possibility of hazardous reactions

The product is stable

#### 10.4 Conditions to avoid

Acids

#### 10.5 Incompatible materials

Chlorates, nitrates, Strong oxidizing agents

#### 10.6 Hazardous decomposition products

When heated (in a fire), it may give off carbon dioxide, carbon monoxide, and potassium oxide.

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Potassium phosphate dibasic: Other decomposition products - No data available

In the event of fire: see section 5

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### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

Potassium acetate: LD50, Oral, Rat, 3250 mg/kg

##### Skin corrosion/irritation

Irritating to the skin.

##### Severe eye damage/irritation

May cause temporary and reversible eye irritation.

##### Respiratory or skin sensitization

May irritate the skin, respiratory tract, mucous membranes, and gastrointestinal tract.

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### **Germ cell mutagenicity**

No known significant effects or critical hazards.

### **Carcinogenicity**

None of the ingredients is known/listed as carcinogens.

### **Reproductive toxicity**

No known significant effects or critical hazards.

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

No known significant effects or critical hazards.

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

No known significant effects or critical hazards.

### **Aspiration hazard**

No known significant effects or critical hazards.

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## **SECTION 12: Ecological information**

### **Toxicity**

Potassium acetate

Acute EC50 1.05 g/L Fresh water Daphnia - Daphnia similis - Neonate <16 hours 48 hours

Acute LC50 313 mg/L Fresh water Crustaceans - Ceriodaphnia dubia 48 hours

Acute LC50 298 mg/L Fresh water Fish - Pimephales promelas 96 hours

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

### **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**

No known significant effects or critical hazards.

### **Endocrine-disrupting properties**

No known significant effects or critical hazards.

### **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 be detrimental to aquatic life.

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## **SECTION 13: Disposal considerations**

### **Disposal methods**

#### **Product disposal**

This material is not considered a hazardous waste. Disposal must be done in accordance with local, state, and federal environmental regulations. Place waste in an appropriate container with correct labeling. Use the product for its intended purpose where possible.

#### **Packaging disposal**

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Triple rinse and dispose of in accordance with the federal, state, and local laws and regulations

### Other disposal recommendations

Reuse recovered product where possible.

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## SECTION 14: Transport information

14.1	UN Number	None
14.2	UN Proper Shipping Name	None
14.3	Transport hazard class(es)	None
14.4	Packing group	None
14.5	Environmental hazards	None
14.6	Special precautions for the user	None
14.7	Transport in bulk according to IMO instruments	None

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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: Potassium acetate

CAS number: 127-08-2

#### US EPA TSCA public inventory

Chemical name: Potassium phosphate Monobasic

CAS number: 7778-77-0

#### SARA 311/312 Hazards

No SARA Hazards for: Potassium phosphate dibasic.

#### SARA 313 Components

This material [Potassium phosphate dibasic] does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 302 Components

No chemicals in this material [Potassium phosphate dibasic] are subject to the reporting requirements of SARA Title III, Section 302.

#### 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

No known specific national and/or regional regulations applicable to this product

Section 302: None listed

Section 311/312: Yes

Section 313: None listed

CERCLA: None listed

California Proposition 65: None listed.

U.S. State Worker and Community Right-To-Know (RTK) Information:

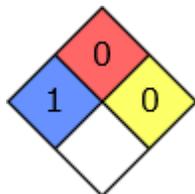
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## UG Rhizo-K

### HMIS Rating

UG Rhizo-K	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	A

### 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 to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving the same will make their own determination as to its suitability for their purposes before use. In no event will Ultra Gro, LLC be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which this information refers.

### 16.2 Preparation information

PREPARED BY: ULTRA GRO, LLC