



# Safety Data Sheet

Issue Date: 11/25/2015

Revision Date: N/a

Version: 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

**Product Name:** RegalGrow 0-20-20 with Shamrock

**Trade Name and Synonyms:** Mixture of Monopotassium Phosphate and Di-Potassium Phosphate

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

**Recommended use:** Liquid Fertilizer / Plant nutrition

### Details of the supplier of the safety data sheet

#### **Company**

Regal Chemical Co  
600 Branch Drive  
Alpharetta, GA 30004

### Emergency telephone number

**Company Telephone:** (770) 475-4837

**Emergency Telephone:** Chemtrec 1-800-262-8200

## 2. Hazardous Identification

### **Classification:**

Eye Irritation:	Category 2B	H320
Acute Toxicity (Dermal):	Category 5	H313
Acute Toxicity (Oral):	Category 5	H303

### Label Elements:



**Signal Word (OSHA):** Warning

**Hazard Statements:**

- H320 – Causes eye irritation
- H313 – May be harmful in contact with skin
- H302 – Harmful if swallowed

### **Precautionary Statements:**

**(General)**

- P101 - If medical advice is needed, have product container or label at hand.
- P102 - Keep out of reach of children.
- P103 - Read label before use.



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## Precautionary Statements:

### (Prevention)

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P262 - Do not get in eyes, on skin, or on clothing.  
P281 - Use personal protective equipment as required  
P235 + P410 - Keep cool. Protect from sunlight.

## Precautionary Statements:

### (Response)

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for 15 to 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water for 15 to 20 minutes.

## 3. Composition/Information on Ingredients

Chemical Name	Hazardous Percent	CAS Number	Threshold Limit Values
Monopotassium phosphate	No	7778-77-0	None Established
Dipotassium phosphate	No	7758-11-4	None Established

\*Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## Potential Health Effects:

This material is not a "health hazard" or "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety Health Administration Hazard Communication Standard, 20 CFR 1910.1200

## 4. First Aid Measures

### First aid measures:

**Ingestion:** Do not induce vomiting, contact a physician or poison control center.

**Eye Contact:** Wear chemical type goggles. Eye irritation - Flush with water for 15 minutes. Get medical attention if irritation persists.

**Skin Contact:** Dry and/or red itchy skin - Flush with water for 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Protect skin from contact. Causes irritation.

**Skin Absorption:** Dry and/or red itchy skin - Flush with water for 15 minutes. Get medical attention if irritation persists. Protect skin from contact. Causes irritation.

**Inhalation:** Generally not considered an inhalation hazard. If vapors or mist causes irritation or distress, remove to fresh air.



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## 5. Fire-Fighting Measures

**Flammable Conditions:** None

**Methods of Extinguishing:** Use media suitable to extinguish source of fire. Water fog or spray, foam, carbon dioxide, or dry chemical.

**Flashpoint degrees (c):** N/a

**Flashpoint method:** N/a

**Auto Ignition Temp (c):** N/a

**Upper Flammable Limit (% by volume):** N/a

**Lower Flammable Limit (% by volume):** N/a

**Explosion – Sensitivity to impact:** N/a

**Explosion – Sensitivity to static discharge:** N/a

**Protection and Procedures for Firefighters:** Use water fog or spray, foam, carbon dioxide, or dry chemical to control fire.

**Protective Equipment for Firefighters:** Use approved self-contained breathing apparatus and full protective gear. Avoid smoke inhalation.

## 6. Accidental Release Measures

### Leak and Spill Procedures:

**Environmental Precautions:** Keep out of water supplies, lakes, ponds, streams, and rivers.

**Material Released or Spilled:** Promptly mop up or pump up material and place in suitable container for use as a fertilizer or for proper disposal in accordance with local, state and federal regulations.

## 7. Handling and Storage

**Specific Engineering Controls:** Adequate ventilation required to maintain a fresh airflow.

**Personal Protective Equipment:** Avoid contact with eyes. Use only in well ventilated areas. Wash thoroughly after handling. Avoid prolonged or repeated contact with the skin. Keep Out Of Reach Of Children.

**Other Precautions:** Transfer using chemical-resistant plastic or stainless steel tanks, pumps, and valves.

**Storage Requirements:** Store in cool, dry area. Keep container closed when not in use. Keep Out Of Reach Of Children. Store in temperatures between 40 and 78 degrees F. avoid overheating or freezing.

## 8. Exposure Controls/Personal Protection

### **Specific Engineering Controls:**

Adequate ventilation required to maintain a fresh airflow.



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## **Personal Protective Equipment:**

**Respiratory Protection:** If mist or dust conditions should be present use respirator approved by NIOSH.

**Eye Protection:** Goggles or face shield.

**Skin Protection:** Adequate clothing should be worn to prevent skin contact.

**Other Protective Clothing or Equipment:** Eye bath, safety shower.

**Work Hygienic Practices:** Wash all clothing before wearing. Wash all exposed skin surfaces with soap and water after using this product.

## **9. Physical and Chemical Properties**

### **Information on basic physical and chemical properties**

<b>Physical State:</b>	Liquid
<b>Odor and Appearance:</b>	Odorless, clear liquid
<b>Solubility in Water:</b>	Soluble
<b>Specific Gravity:</b>	1.4
<b>Vapor Density (air=1):</b>	N/a
<b>Vapor Pressure (mmHg):</b>	N/a
<b>Evaporation Rate:</b>	N/a
<b>Boiling Rate (Celsius):</b>	N/a
<b>Freezing Point (Celsius):</b>	N/a
<b>pH at 20 degrees Celsius:</b>	7
<b>Coefficient of Water/Oil Distribution:</b>	N/a
<b>Notes:</b> 11.7 lbs./gal	

## **10. Stability and Reactivity**

### **Reactivity:**

**Chemical Stability:** Stable

**Incompatible Materials:** Strong alkalies

**Reactive Conditions:** Heat, spark, open flames

**Hazardous Decomposition Products:** Oxides of carbon and phosphorus

## **11. Toxicological Information**

**Effects of Acute Exposure:** Eye contact may cause irritation and redness.

**Effects of Chronic Exposure:** Prolonged contact with skin may cause irritation or dermatitis in sensitive individuals.

**Irritancy:** Slight

**Skin Sensitization:** Redness

**Respiratory Sensitize:** Mild

**Carcinogenicity – ACGIH:** No



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**Carcinogenicity – IARC:** No  
**Reproductive:** No  
**Embrototoxicity:** No

**Teratogenicity:** No  
**Mutagenicity:** No

## 12. Ecological Information

Not Available

## 13. Disposal Considerations

**Waste Disposal:** If product cannot be disposed of according to use directions on label, dispose of in accordance with federal, state and local environmental laws and regulations.

## 14. Transport Information

**U.S. DOT:** Not regulated  
**IMDG:** Not regulated  
**ICAO/IATA:** Not regulated

### **Transport Information:**

**Other shipping Description:** Fertilizing compounds (Manufactured), Liquid. NMFC Item 6810 Sub 6, LTL Class 70

## 15. Regulatory and Other Information

<b>Health hazards</b>	1 – Exposure could cause irritation but only minor residual injury even if no treatment is given.
<b>Flammability</b>	0 – Materials that will not burn.
<b>Reactivity</b>	0 – Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

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