



RegalGrow 16-3-10

Safety Data Sheet (OSHA 29 CFR 1910.1200)

Section 1 - Product and Company Identification

Product RegalGrow 16-3-10

Company Regal Chemical Co
600 Branch Drive
Alpharetta, GA 30009

Phone 770-475-4837

Emergency Phone 770-475-4837

Product Use Plant nutrition

Section 2 – Hazard Identification

Potential Health Effects

Classification of the substance or mixture

Classification according to 29 CFR 1910.1200

Eye Irritation Category 2B H320

Acute Toxicity (Dermal) Category 5 H313

Acute Toxicity (Oral) Category 5 H303

Label Elements



Signal Word:

Hazard Statement:

WARNING

H320 - Causes eye irritation

H313 - May be harmful in contact with skin

H302 - Harmful if swallowed

Precautionary Statement:
(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.

Precautionary Statement:
(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 Statement:
(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.

Section 3 – Composition and Information on Ingredients

| Component Ingredients | Hazardous Percent | CAS Number | Threshold Limit Values | | | |
|-----------------------|-------------------|------------|------------------------|--------------|------------------|---------------|
| | | | OSHA PEL | OSHA STEL | ACGIH TLV | ACGIH STEL |
| Urea | No | | - | | NONE ESTABLISHED | |
| Potassium phosphate | No | | | | NONE ESTABLISHED | |
| Potassium acetate | No | | | | NONE ESTABLISHED | |

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 and Health Administration Hazard Communication Standard, 20 CFR 1910.1200

Section 4 - First Aid Measures

☒ Skin Contact

☒ Skin Absorption

☒ Eye Contact

☒ Inhalation

☒ Ingestion

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

Eye Contact

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

Inhalation

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

Ingestion

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

Section 5 - Fire Fighting Measures

☐ Flammable

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.

Section 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.

Section 7 - Handling and Storage

Handling Procedures and 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.

Section 8 - Exposure Controls - Personal Protection

Specific Engineering Controls

Adequate ventilation required to maintain a fresh airflow.

☒ Gloves ☒ Respirator ☒ Eye ☒ Footwear ☒ Clothing ☐ Other

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.

Section 9 - Physical and Chemical Properties

| | |
|---------------------------------------|-----------------|
| Physical State | Liquid |
| Odor and Appearance | Clear Liquid |
| Solubility in Water | soluble |
| Specific Gravity | 1.2 |
| Vapor Density (air = 1) | N/A |
| Vapor Pressure (mmHg) | N/A |
| Evaporation Rate | N/A |
| Boiling Point (° C) | n/a (F) n/a (C) |
| Freezing Point (°C) | n/a (F) n/a (C) |
| pH @ 20 Celsius | 7 |
| Coefficient of Water/Oil Distribution | N/A |
| Notes | 10.2 lbs/gal |

Section 10 - Stability and Reactivity

☒ Chemical Stability

Stability Conditions

Product is stable.

☐ Incompatibility with Other Substance

Incompatibility conditions

Strong alkalies

Reactivity Conditions

Heat, spark, open flames

Hazardous Decomposition Products

Oxides of carbon and phosphorus

Section 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 |
|---------------------------|---------|

| | |
|-------------------------------|----|
| Carcinogenicity - IARC | No |
|-------------------------------|----|

| | |
|---------------------|----|
| Reproductive | No |
|---------------------|----|

| | |
|------------------------|----|
| Embrototoxicity | No |
|------------------------|----|

| | |
|------------------------------|------|
| Respiratory Sensitize | Mild |
|------------------------------|------|

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|--------------------------------|----|
| Carcinogenicity - ACGIH | No |
|--------------------------------|----|

| | |
|-----------------------|----|
| Teratogenicity | No |
|-----------------------|----|

| | |
|---------------------|----|
| Mutagenicity | No |
|---------------------|----|

Section 12 - Ecological Information

Ecological Information

N/A

Section 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.

Section 14 - Transportation 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

Section 15 - Regulatory Information

Health Hazard 1 Exposure could cause irritation but only minor residual injury even if no treatment is given.

Fire Hazard 0 Materials that will not burn.

Instability 0 Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

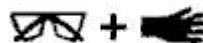
Special Hazard

Section 16 - Other Information / Warranty / Disclaimer

Revised 28-Feb 2018

Prepared By BKF

| | |
|----------------------------|----------|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |



Health Hazard 1 Irritation or minor reversible injury possible

Flammability 0 Materials that will not burn

Reactivity 0 Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection B Safety Glasses + Gloves

Disclaimer

HMIS Ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS ratings are not required on MSDS's by OSHA's CFR 1910.1200, we choose to provide them as a service to our customers using HMIS. These ratings are to be used only with a fully implemented HMIS program. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

NPCA recommends that employers must determine appropriate PPE for the actual conditions under which this product is used in their workplace. For information on PPE codes, consult the HMIS Implementation Manual.

When two ratings are provided for Health, the first represents the material 'as supplied,' and the second represents the material 'in use.'

Other Information

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