



# MATERIAL SAFETY DATA SHEET

**Regal Solugreen® 25-5-20**

EFFECTIVE DATE: 2/15/06

## SECTION I - IDENTIFICATION

**MANUFACTURER'S NAME:** Regal Chemical Company

**ADDRESS:** 600 Branch Dr. Alpharetta, GA 30004

**TELEPHONE NUMBER:** 770-475-4837

**CHEMICAL NAME AND SYNONYMS:** Soluble Fertilizer

**TRADE NAME AND SYNONYMS:** Regal Solugreen 25-5-20

**CHEMICAL FAMILY:** Inorganic Salts

## SECTION II - HAZARDOUS INGREDIENTS

CAS NUMBER:	INGREDIENT:	OSHA PEL	ACGIH TLV
7757-79-1	Pottassium Nitrate	None	None
0057-13-6	Urea	None	None
7722-76-1	Monoammonium Phosphate	None	None
10043-35-3	Boric Acid	None	None
14025-21-9	Zinc EDTA	None	None
15375-84-5	Maganese EDTA	None	None
14025-15-1	Copper EDTA	None	None
15708-41-5	Iron EDTA	None	None
7631-95-1	Sodium Molybdate	5 mg/m3	5 mg/m3

## SECTION III - PHYSICAL DATA

**BOILING POINT (°C):** N/A

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A

**SOLUBILITY IN WATER:** 30-50 g/100 ml @ 20°C

**APPEARANCE AND ODOR:** White to bluish crystalline powder

**SPECIFIC GRAVITY:** 1.5-2.1

**MELTING POINT:** In excess of 200°C

**EVAPORATION RATE:** N/A

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT(METHOD USED):** N/A      **LEL:** N/A      **UEL:** N/A

**FLAMMABLE LIMITS:** N/A

**EXTINGUISHING MEDIA:** Water. Use media to control surrounding fire

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear positive pressure self contained breathing apparatus, and full protective clothing

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Avoid fumes from fire. Evacuate nonessential personnel from area

## SECTION V - HEALTH HAZARD DATA

**HEALTH HAZARDS ACUTE EXPOSURE:** Toxic by ingestion. Seek medical attention immediately. Can cause irritation of skin, eyes, and respiratory system

**HEALTH HAZARDS CHRONIC EXPOSURE:** Can cause damage to respiratory system, blood system, reproductive system, and urinary system

**CARCINOGENICITY:** No information available

## FIRST AID PROCEDURES

**EYES:** Flush with water for 15 minutes. Seek medical attention

**SKIN:** Flush with water. If irritation develops, call physician

**INHALATION:** Remove to fresh air. Seek medical attention immediately

**INGESTION:** Drink large amounts of water, seek medical attention immediately

## TOXICOLOGY (Product)

**ACUTE ORAL LD50:** N/A

**CARCINOGENIC:** N/A

**ACUTE DERMAL LD50:** N/A

**MUTAGENIC:** N/A

**ACUTE INHALATION:** N/A

**EYE IRRITATION:** May be an irritant

**PRIMARY SKIN IRRITATION:** May be an irritant

## SECTION VI - REACTIVITY DATA

**STABILITY:** Normal

**CONDITIONS TO AVOID:** Temperatures over 200°C may lead to decomposition

**MATERIALS TO AVOID:** These materials may be corrosive

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Nitrous Oxides, Ammonia

**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION VII - SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Sweep or shovel up spilled material. Prevent large quantities from entering drinking water supplies or streams

approved landfill disposal facility in accordance with federal, state, and local regulations. Apply as fertilizer to field.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

**VENTILATION:** Mechanical (General, adequate to remove dust from air)

**RESPIRATORY PROTECTION:** NIOSH/MSHA - Approved respirator per 29 CFR 1910.134

**PROTECTIVE GLOVES:** Heavy duty gloves

**EYE PROTECTION:** Goggles

**OTHER PROTECTIVE CLOTHING:** Long-Sleeved shirts

**WORK/HYGIENIC PRACTICES:** Follow recommendations in section V. Wash hands and face before eating, drinking, or smoking.

## SECTION IX - SPECIAL PRECAUTIONS/COMMENTS

**PRECAUTIONS FOR HANDLING/STORING:** Do not store near combustible materials. Avoid contact with eyes and skin. Wash thoroughly after handling. Keep container closed and away from heat, sparks, and flame. **Keep out of reach of children.** Product contains boron and molybdenum. Certain crops and livestock are sensitive to these elements.

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