



# MULTIGREEN

## 12-0-36 mini

### MATERIAL SAFETY DATA SHEET

Date Issued: 6/2/2004

#### **SECTION I - PRODUCT IDENTIFICATION**

Product trade name: Multigreen

##### Hazard rating:

Health: Moderate  
Flammability: None  
Reactivity: Low

##### Components:

Potassium nitrate (CAS No. 7757-79-1)

#### **SECTION II - HAZARDOUS INGREDIENTS**

Potassium nitrate (CAS No. 7757-79-1)

#### **SECTION III - PHYSICAL DATA**

Appearance: Yellow-brown and white granules  
Decomposition temp.: NPK >130°C  
coating >200°C  
Melting point: decomposes  
Bulk density: approx. 1.0 kg/liter  
Boiling point: decomposes  
Vapor pressure (mm Hg): Below 1  
Evaporation rate: N/A  
Solubility in water: Dissolves very slowly; polymer  
coating insoluble  
pH (of saturated water solution after 72 hours): 6.0-8.0

#### **SECTION IV - HEALTH HAZARD INFORMATION**

##### Entry route:

Inhalation: N/A  
Ingesting: N/A  
Skin: N/A

##### Health hazards (acute & chronic):

Oral ingestion: Moderate toxicity.  
Acute LD50: Unknown  
Eye contact: N/A  
Skin contact: Non-hazardous  
Skin adsorption: N/A  
Inhalation: N/A  
Carcinogenicity: NTP: Negative  
IARC Nonographs: Negative  
OSHA Regulated: Negative  
Signs and symptoms of exposure: None  
Medical conditions generally aggravated by exposure: None known

##### Emergency and first aid procedures:

Oral ingestion: Give large quantities of water and induce vomiting. Seek medical attention.  
Eye contact: Flush immediately and continuously with flowing water for at least 30 minutes. Seek medical consultation if irritation persists.  
Skin contact: Wash with soap and.  
Inhalation: N/A.

#### **SECTION V - FIRE AND EXPLOSION HAZARD DATA**

Flash point (method used): Above 150°C, TCC  
Extinguishing media: Non-flammable  
Special fire-fighting procedure: Self contained air supply to protect from nitrogen oxides, ammonia and CN gas  
Unusual fire and explosion hazards: Noxious fumes may form. Nitrogen oxides, ammonia and CN gas.  
Flammable limits: LEL - N/A ; UEL - N/A

#### **SECTION VI - REACTIVITY DATA**

Stability: Stable in normal use and storage  
Incompatibility: NaNO<sub>2</sub>, P<sub>2</sub>Cl<sub>5</sub>, nitrozyl perchlorate  
Hazard polymerization: Will not occur.  
Conditions to avoid: Fire  
Decomposition by-products: Nitrogen oxides and CN gas

#### **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be taken in case material is released or spilled: Contain material. Pick up material and store in plastic bags, away from combustibles.  
Waste disposal method: Dispose of in an approved landfill in accordance state, federal and local regulations.  
Precautions to be taken in handling and storage: Keep out of reach of children.  
Other precautions: Avoid breathing dusts.

#### **SECTION VIII - CONTROL MEASURES**

Respiratory protection: None normally needed.  
Use dust mask if conditions warrant.  
Ventilation: Recommended to control dust.  
Protective gloves: Not necessary.  
Eye protection: Not necessary.  
Other protective clothing or equipment: Not necessary.

##### **24 hours emergency number:**

**Dr. Shalom Manor**  
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