

Material Safety Data Sheet

# Romeo Brand Fertilizers

Manufacture: Romeo Packing Company Emergency Phone: 800 -535-5053  
106 Princeton Ave. NonEmergency: 650 -728-3393  
Half Moon Bay, CA 94019 January 6, 2003

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## I. Material Identification

Chemical Name: Compound Fertilizer Mix  
Product Name: Romeo Fertilizer  
Analysis: 14-0-14

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## II. Hazardous Ingredients

<u>Material</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Potassium Nitrate	7757-79-1	None	None
Calcium Nitrate	15245-12-2	None	None
Ammonium Nitrate	6484-52-2	None	None
Magnesium Nitrate	10377-60-3	None	None
Iron EDTA	15708-41-5	None	None
Manganese EDTA	15375-84-5	None	None
Copper EDTA	14025-15-1	None	None
Trisodium Nitrotriacetate	5064-31-3	N/A	N/A
Sodium Borate	1330-43-4	10mg/m <sup>3</sup>	None
Sodium Molybdate	7631-95-0	5mg(Mo)/m <sup>3</sup>	5mg(Mo)/m <sup>3</sup>

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## III. First Aid Procedures

**Ingestion:** Drink large quantities of water and induce vomiting. Low toxicity in small amounts. Large amounts may cause nitrate poisoning. Consult a physician.

**Inhalation:** If moderate discomfort to throat or nose, remove to fresh air and support respiration. Call physician if discomfort persists.

**Eyes:** Flush eyes with water for 15 minutes. Call physician if discomfort persists.

**Skin:** Wash with soap and water if aggravation occurs. Call physician if discomfort persists.

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## IV. Fire Fighting Measures

**Extinguishing Media:** Water Spray - material is essentially non-flammable

**Special Fire Fighting Procedures:** Self-contained air supply to protect from oxides of nitrogen.

**Unusual Fire Hazards:** Noxious fumes may form. Oxides of nitrogen. Potassium Nitrate and Ammonium Nitrate are oxidizers and therefore increase the intensity of any fire and the possibility of explosion when contaminated with organic reducing agents.

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**V. Accidental Release Measures**

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**If Spill Occurs:** If material is uncontained, collect into clean container for reuse. If contaminated, scoop into containers for disposal. Inform authorities immediately if sewers or water courses are contaminated.

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**VI. Handling and Storage**

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Store in a cool dry area. Keep out of reach of children and domestic animals.

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**VII. Exposure Controls/Personal Protection**

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**Ventilation Protection:** Provide local or general ventilation to keep dust below ACGIH nuisance dust limit of 10 mg/m<sup>3</sup>. Applicators should stand upwind.

**Respiratory Protection:** NIOSH/MSHA approved respirator should be used if dust exposure exceeds levels of 10 mg/m<sup>3</sup>.

**Protective Clothing:** None usually required. Long sleeves and gloves should be used by those with sensitive skin.

**Eye Protection:** Use of safety glasses is recommended.

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**VIII. Physical and Chemical Properties**

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**Boiling Point:** Decomposes @ 750 °C      **% Volatiles by vol.:** Non listed

**Melting Point:** 630 (F)      **Vapor pressure:** N/A

**Density:** 60 lbs./cub. Ft.      **Reaction w/water:** Not listed

**Flash point:** Non flammable

**pH:** Non listed

**Appearance:** Blue and white crystals, slight ammonia odor

**Extinguish Media:** Use media suitable to extinguish source of fire.

**Solubility in water:** 31.6 g/100 g @ 68 F

**% Volatiles by vol.:** Non listed.

**Vapor pressure:** N/A

**Reaction w/water:** Not listed

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**IX. Stability and Reactivity**

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**Stability:** Stable in normal usage and storage.

**Conditions to avoid:** Do not mix with oxidizable materials.

**Incompatibility:** Non listed

**Hazardous Decomposition Products:** Decomposes on heating to nitrogen oxides.

**Hazardous Polymerization:** Will not occur

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**X. Toxicology Information**

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**Ingestion:** Acute oral toxicity (rat) LD50: 6600 mg/kg for potassium sulfate.

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**XI. Other Information**

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**Flash Point (Test Method):** Non-flammable

**Auto-ignition Temperature:** Non-applicable

**Hazard rating:**      **Health:** 1      **Fire:** 0      **Reactivity:** 0      **Specific:** N/A

**FlammableLimits(%byvolume): Lower:N/A Upper:N/A**