

Material Safety Data Sheet

# Romeo Brand Fertilizers

Manufacture: Romeo Packing Company Emergency Phone: 800 -535-5053  
106 Princeton Ave. Non -Emergency: 650 -728-3393  
Half Moon Bay, CA 94019 January 13, 2003

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## I. Material Identification

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Chemical Name: Compound Fertilizer Mix  
Product Name: Romeo Fertilizer  
Analysis: 20-14-16

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## II. Hazardous Ingredients

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<u>Material</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Calcium Phosphates	7758-23-8 7757-93-9 7758-87-4	None	None
Potassium Sulfate	7778-80-5	None	None
Muriate Potash	7447-40-7	None	None
Sulfur	7704-34-9	None	None
Urea	57-13-6	None	None
Ferrous Sulfate	7720-78-7	1.0mg/m <sup>3</sup>	1.0mg/m <sup>3</sup>
Manganese Sulfate	7785-87-7	5mg(Mn)/m <sup>3</sup>	5mg(Mn)/m <sup>3</sup>
Zinc Sulfate	7733-02-0	None	None

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## III. First Aid Procedures

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**Ingestion:** Drink warm water, milk, or activated charcoal and induce vomiting by touching back of throat with a finger. 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 irritation occurs. Call physician if discomfort persists.

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## IV. Fire Fighting Measures

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

**Special Fire Fighting Procedures:** Do not breathe fumes. Wear self-contained breathing apparatus. Remove from area of fire at first opportunity.

**Unusual Fire Hazards:** If heated to decomposition, will give off toxic fumes.

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## V. Accidental Release Measures

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**If Spill Occurs:** If material is uncontaminated, collect into clean container for use. If contaminated, scoop into containers for disposal. Inform authorities immediately if sewer 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:** Not applicable      **% Volatiles by vol.:** Non listed

**Melting Point:** Decomposes on heating      **Vapor pressure:** N/A

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

**Flash point:** Non flammable

**pH:** Non listed

**Appearance:** Blue, beige and gray spherical prills.

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

**Solubility in water:** Approximately 10% insoluble in water at room temperature.

**% 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:** Non listed

**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

**Flammable Limits (% by volume):**      **Lower:** N/A      **Upper:** N/A

