

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

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Chemical Name: Compound Fertilizer Mix  
Product Name: Romeo Fertilizer  
Analysis: 10-18-10

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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
Methylene Urea	9011-05-6	None	None
Sulfur	7704-34-9	None	None
Urea	57-13-6	None	None
Ureaform	9011-05-6	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>
Copper Sulfate	7785-87-7	1mg/m <sup>3</sup>	1mg/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 finger. Consult 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

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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 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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<b>Boiling Point:</b>	Not applicable	<b>% Volatiles by vol.:</b>	Non listed
<b>Melting Point:</b>	Decomposes on heating	<b>Vapor pressure:</b>	N/A
<b>Density:</b>	60 lbs./cub. Ft.	<b>Reaction w/water:</b>	Not listed
<b>Flashpoint:</b>	Non flammable		
<b>pH:</b>	Non listed		
<b>Appearance:</b>	Blue, beige and gray spherical prills.		
<b>Extinguish Media:</b>	Use media as suitable to extinguish source of fire.		
<b>Solubility in water:</b>	Approximately 10% insoluble in water at room temperature.		
<b>% Volatiles by vol.:</b>	Non listed.		
<b>Vapor pressure:</b>	N/A		
<b>Reaction w/water:</b>	Not listed		

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**IX. Stability and Reactivity**

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<b>Stability:</b>	Stable in normal usage and storage.
<b>Conditions to avoid:</b>	Non listed
<b>Incompatibility:</b>	Non listed
<b>Hazardous Decomposition Products:</b>	Decomposes on heating to nitrogen oxides.
<b>Hazardous Polymerization:</b>	Will not occur

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**X. Toxicology Information**

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**Ingestion:** Acute oral toxicity (rat) LD<sub>50</sub>: 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