

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 August 6, 2002

I. Material Identification

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

II. Hazardous Ingredients

| Material | CAS# | OSHA PEL | ACGIH TLV |
|-------------------|-----------|------------------------|------------------------|
| Ferrous Sulfate | 7720-78-7 | 1.0mg/m ³ | 1.0mg/m ³ |
| Manganese Sulfate | 7785-87-7 | 5mg(Mn)/m ³ | 5mg(Mn)/m ³ |
| Copper Sulfate | 7785-87-7 | 1mg/m ³ | 1mg/m ³ |
| Zinc Sulfate | 7733-02-0 | None | None |
| Sodium Borate | 1330-43-4 | 10mg/m ³ | None |
| Sodium Molybdate | 7631-95-0 | 5mg(Mo)/m ³ | 5mg(Mo)/m ³ |

III. First Aid Procedures

Ingestion: Never give anything by mouth to an unconscious person. Have conscious drink 1 to 2 glasses of water, then induce repeated vomiting until vomit is clear. Call 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 aggravated. If irritation occurs, call physician if discomfort persists.

IV. Fire Fighting Measures

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

Special Fire Fighting Procedures: Do not breathe fumes. Wear self-contained breathing apparatus.

Unusual Fire Hazards: If heated to decomposition, will give off toxic fumes. High airborne dust concentrations have potential for explosion.

V. Accidental Release Measures

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

VI. Handling and Storage

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

VII. Exposure Controls/Personal Protection

Ventilation Protection: Ventilation and personal protection are recommended whenever dust levels are high or product does not remain intact.

Respiratory Protection: NIOSH/MSHA approved respirator should be used if dust exposure exceeds levels of 10 mg/M³.

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.

VIII. Physical and Chemical Properties

| | | | |
|-----------------------------|---|-----------------------------|------------|
| Boiling Point: | Not applicable | % Volatiles by vol.: | Non listed |
| Melting Point: | Not known | Vapor pressure: | N/A |
| Density: | 70 lbs./cub. Ft. | Reaction w/water: | Not listed |
| Flash point: | Non flammable | | |
| pH: | Non listed | | |
| Appearance: | Fine white powder | | |
| Extinguish Media: | Not flammable. Use media suitable to extinguish source of fire. | | |
| Solubility in water: | Approximately 70% insoluble in water at room temperature. | | |
| % Volatiles by vol.: | Non listed. | | |
| Vapor pressure: | N/A | | |
| Reaction w/water: | Not listed | | |

IX. Stability and Reactivity

Stability: Stable in normal usage and storage.

Conditions to avoid: Extreme Heat. Alkalies and oxidizers. Active metals such as aluminum and magnesium.

Incompatibility: Non listed

Hazardous Decomposition Products: Oxides of sulfur, manganese and zinc.

Hazardous Polymerization: Will not occur

X. Toxicology Information

One experimental study in 1960 reports tumors in mice given subcutaneous doses of ferrous sulfate. Reproductive and mutagenic effects have also been reported.

XI. Other Information

Flash Point (Test Method): Non-flammable

Auto-ignition Temperature: Non-applicable

Hazard rating: Health:2 Fire:0 Reactivity:1 Specific:N/A

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

