

Material Safety Data Sheet

Delta Education
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Phone (281) 479-2569
Chemtrec 800-424-9300
24 Hour Emergency Assistance

Section 1 Identification	
Product Number:	050-3494
Product Name:	Magnesium Sulfate Epsom Salts Laboratory Grade, Crystal
Trade/Chemical Synonyms	
Formula:	MgSO ⁷ / ₂ H ² O
RTECS:	OM4508000
C.A.S	CAS# 10034-99-8
Health:	1
Flammability	0
Reactivity	0
Hazard Rating:	Least Slight Moderate High Extreme
	0 1 2 3 4
	NA = Not Applicable NE = Not Established

Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input type="checkbox"/>	Magnesium Sulfate Heptahydrate	CAS# 10034-99-8	100%	W/W	TXDS: orl-man LDLo: 183 mg/Kg/4

Section 3 Hazard Identification (Also see section 11)
FIRST AID: INGESTION: Call physician or Poison Control Center Immediately. Induce vomiting only if advised by appropriate medical personnel.

Section 4 First Aid Measures
FIRST AID: INGESTION: Call physician or Poison Control Center Immediately. Induce vomiting only if advised by appropriate medical personnel.
EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.
SKIN: Flush with mild soap and water.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

Section 5 Fire Fighting Measures

Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire
Fire/Explosion Hazards:	Negligible fire hazard when exposed to heat or flame
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures
Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal.

Section 7 Handling and Storage
Store in a cool dry location

Section 8 Exposure Controls & Personal Protection
Respiratory Protection:NIOSH approved dust mask
Mechanical: Hand Gloves to prevent skin exposure
Protection: as latex or vinyl
Ventilation: Local Exhaust: Eye Safety Glasses w/ Side Shields
Protection:

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

Section 9 Physical and Chemical Properties

Melting Point:	250°C (loses water)	Specific Gravity	1.67
Boiling Point:	NA	Percent Volatile by Volume:	0
Vapor Pressure:	NA	Evaporation Rate:	
Vapor Density:	NA	Evaporation Standard:	
Solubility in Water:	very soluble	Auto ignition Temperature:	NA
Appearance and Odor:	colorless crystalline solid, no odor.	Lower Flamm. Limit in Air:	NA
Flash Point:	NA	Upper Flamm. Limit in Air:	NA

Section 10 Stability and Reactivity Information
Stability: Stable **Conditions to Avoid:** None known
Materials to Avoid: reacts with acids and acid halides&anhydrides,phosphorus halides,thionyl chloride.
Hazardous Decomposition Products: toxic fumes.decomp products are corrosive.
Hazardous Polymerization:none
Condition to Avoid:None known

Section 11 Additional Information
Acute: Slight irritation possible to skin, eyes, lungs, mucous membranes and GI tract. **Purging.** **Chronic:** None known. **Conditions aggravated/target organs.** Persons with pre-existing eye,skin or respiratory conditions may be more susceptible.
DOT Classification: Not Regulated
DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.
Revision No:1 Date Entered: 9/1/2006 Approved by: WPF

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