

Material Safety Data Sheet

Delta Education
80 Northwest Blvd.
Nashua, NH 03063

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

Section 1 Identification						Section 6 Accidental Release Measures																															
Product Number: 050-3494		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Health:</td> <td style="width: 10%;">1</td> </tr> <tr> <td>Flammability</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td colspan="2">Hazard Rating:</td> </tr> <tr> <td>Least Slight Moderate High Extreme</td> <td>0 1 2 3 4</td> </tr> </table> NA = Not Applicable NE = Not Established				Health:	1	Flammability	0	Reactivity	0	Hazard Rating:		Least Slight Moderate High Extreme	0 1 2 3 4	Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal.																					
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Product Name: Magnesium Sulfate Epsom Salts Laboratory Grade, Crystal		Section 7 Handling and Storage																																			
Trade/Chemical Synonyms		Store in a cool dry location																																			
Formula: MgSO [•] ½7H'O		Section 8 Exposure Controls & Personal Protection																																			
RTECS: OM4508000		Respiratory Protection: NIOSH approved dust mask																																			
C.A.S CAS# 10034-99-8		<table style="width: 100%;"> <tr> <td style="width: 30%;">Mechanical:</td> <td style="width: 30%;">Hand Gloves to prevent skin exposure</td> <td style="width: 40%;">Protection: as latex or vinyl</td> </tr> <tr> <td>Ventilation:</td> <td>Local Exhaust:</td> <td>Eye Safety Glasses w/ Side Shields</td> </tr> <tr> <td>☒</td> <td>☒</td> <td></td> </tr> </table>				Mechanical:	Hand Gloves to prevent skin exposure	Protection: as latex or vinyl	Ventilation:	Local Exhaust:	Eye Safety Glasses w/ Side Shields	☒	☒																								
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Section 2 Component Mixture						Other Protective Equipment: Wear appropriate clothing to prevent skin exposure																															
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:	Section 9 Physical and Chemical Properties																															
	Magnesium Sulfate Heptahydrate	CAS# 10034-99-8	100%	W/W	TXDS: orl-man LDLo: 183 mg/Kg/4	<table style="width: 100%;"> <tr> <td style="width: 20%;">Melting Point:</td> <td style="width: 40%;">250°C (loses water)</td> <td style="width: 20%;">Specific Gravity</td> <td style="width: 20%;">1.67</td> </tr> <tr> <td>Boiling Point:</td> <td>NA</td> <td>Percent Volatile by Volume:</td> <td>0</td> </tr> <tr> <td>Vapor Pressure:</td> <td>NA</td> <td>Evaporation Rate:</td> <td></td> </tr> <tr> <td>Vapor Density:</td> <td>NA</td> <td>Evaporation Standard:</td> <td></td> </tr> <tr> <td>Solubility in Water:</td> <td>very soluble</td> <td>Auto ignition Temperature:</td> <td>NA</td> </tr> <tr> <td>Appearance and Odor:</td> <td>colorless crystalline solid, no odor.</td> <td>Lower Flamm. Limit in Air:</td> <td>NA</td> </tr> <tr> <td>Flash Point:</td> <td>NA</td> <td>Upper Flamm. Limit in Air:</td> <td>NA</td> </tr> </table>				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
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Section 3 Hazard Identification (Also see section 11)						Section 10 Stability and Reactivity Information																															
FIRST AID: INGESTION: Call physician or Poison Control Center Immediately. Induce vomiting only if advised by appropriate medical personnel.						Stability: Stable Conditions to Avoid: None known																															
Section 4 First Aid Measures						Materials to Avoid: reacts with acids and acid halides&anhydrides,phosphorus halides,thionyl chloride.																															
FIRST AID: INGESTION: Call physician or Poison Control Center Immediately. Induce vomiting only if advised by appropriate medical personnel.						Hazardous Decomposition Products: toxic fumes.decomp products are corrosive.																															
EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.						Hazardous Polymerization:none																															
SKIN: Flush with mild soap and water.						Condition to Avoid:None known																															
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.						Section 11 Additional Information																															
Section 5 Fire Fighting Measures						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.																															
Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire		<table style="width: 100%;"> <tr> <td style="width: 30%;">Fire/Explosion Hazards:</td> <td style="width: 70%;">Negligible fire hazard when exposed to heat or flame</td> </tr> <tr> <td>Fire Fighting Procedure:</td> <td>Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.</td> </tr> </table>				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.	DOT Classification: Not Regulated																											
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		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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