

Aqua Solutions, Inc
6913 Hwy 225
Deer Park, TX 77536

MATERIAL SAFETY DATA SHEET

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

SECTION 1 IDENTIFICATION	
Product Number	050-1159 - 0
Product Name	Magnesium Sulfate Epsom Salts
Trade /Chemical Synonyms	
Formula	MgSO ₄ ·7H 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 7 HANDLING AND STORAGE
Store in a cool dry location

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION
Respiratory Protection: NIOSH approved dust mask Ventilation: Local Exhaust <input checked="" type="checkbox"/> Mechanical <input checked="" type="checkbox"/> Protective Gloves: Gloves to prevent skin exposure as latex or vinyl Eye Protection: Safety Glasses w/ Side Shields Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 2 MIXTURE COMPONENTS					
Sara 313	Component	CAS Number	%	Dim.	Exposure Limits
1	Magnesium Sulfate Heptahydrate	CAS# 10034-99-	100%	W/W	TXDS: orl-man LDLo: 183 mg/Kg/4

SECTION 3 HAZARD IDENTIFICATION (SEE ALSO SECTION 11)
FIRST AID: INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES	
Melting Point:	250°C (loses water)
Boiling Point:	NA
Vapor Pressure:	NA
Vapor Density:	NA
Solubility in Water:	very soluble
Appearance /Odors:	colorless crystalline solid, no odor.
Flash Point:	NA
Specific Gravity:	1.67
Percent Volatile by Volume:	0
Evaporation Rate:	
Evaporation Standard:	
Auto Ignition Temp:	NA
Lower Flamm. Limit in Air:	NA
Upper Flamm. Limit in Air:	NA

SECTION 4 FIRST AID MEASURES
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 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
Conditions to Avoid:	None known

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 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 D.O.T. regulations.	

SECTION 6 ACCIDENTAL RELEASE MEASURES
Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal.

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