SAFETY DATA SHEET

Section 1	Chemical Product and Company Information	Page E1 of E2
Scie	80 Northwest Blvd. Nashua, NH 03063 (800) 225-3739	CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory use only. Not for drug, food or household use.
Product MAG	GNESIUM NITRATE, 0.1 MOLAR SOLUTION	
Synonyms Mag	gnesium Nitrate, 0.1M Aqueous Solution / Magnesium Nitrate, Aqueo	bus Solution
Section 2	Hazards Identification	
to the Globally Ha Chemicals. Signal word: Nor Pictograms: No s Target organs: N GHS Classificatio GHS Label inform	symbol required	Supplemental information: Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

Section 3	Composition / Information	on Ingredients			
Chemical Name		CAS #	%	EINECS	
Water Magnesium nitrate	e, hexahydrate	7732-18-5 13446-18-9	97.44% 2.56%	231-791-2 233-826-7 [anhydrous]	
Section 4	First Aid Measures				

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Magnesium nitrate	Not established	Not established	Not established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator

approved respirato	-					
Section 9	Physical & Chemical Pro	perties				
pH: Data not avail Melting / Freezing poi	cteristic odor. Data not available. lable. int: Approximately 0°C (32°F) (water) proximately 100°C (212°F) (water)	Evaporation rate (Water = 1): < Flammability (solid/gas): Data no Explosion limits: Lower / Upper: Vapor pressure (mm Hg): 14 (wa Vapor density (Air = 1): 0.7 (wate Relative density (Specific gravity): Ap Solubility(ies): Complete in water	ot available. Data not available ter) r) proximately 1.0 (water)	Auto-igniti Decompos Viscosity: Molecular	•	Data not available Data not available.
Section 10	Stability & Reactivity					
	bid: Excessive temperatures which					
-		rs, organic and combustible materials				
Hazardous decon	nposition products: Nitric acid f	umes and sometimes nitrogen tetroxic	le are reported.			
Section 11	Toxicological Information	I				
Carcinogenity: D NTP: No compone IARC: No compon OSHA: No compon	ent of this product present at levels ent of this product present at leve nent of this product present at leve product does not contain any cher	s greater than or equal to 0.1% is ider Is greater than or equal to 0.1% is ide els greater than or equal to 0.1% is id nicals known to the State of California	ntified as probable, pos entified as a carcinogen	sible or confir or potential of	med human carcin carcinogen by OSH	
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.