SAFETY DATA SHEET

OXIDIZER STORAGE CODE YELLOW

CHEMTREC 24 Hour Emergency USA

Phone Number (800) 424-9300

1 703-741-5500 (from anywhere in the world).

For laboratory and industrial use only. Not for drug, food or household use.

Page E1 of E2

Section 1

Product Synonyms

Section 2

Chemical Product and Company Identification

MAGNESIUM NITRATE, HEXAHYDRATE

Hazards Identification

Magnesium Nitrate, 6-Hydrate

5100 West Henrietta Rd PO Box 92912 Rochester, NY 14692-9012 Tel: (800) 962-2660

Boreal Science 399 Vansickle Road St. Catherines, Ontario L2S 3T4 Canada Tel: (800) 387-9393

Precautionary statement:

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P220: Keep away from clothing/incompatible/combustible materials. P221: Take any precaution to avoid mixing with combustibles and incompatible materials. P280: Wear protective gloves/protective clothing/eye protection/face protection.

P370+P378: In case of fire: Use water. Do not use dry chemicals or foams to extinguish.

P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

GHS Classification: Oxidizing solid (Category 3)

Signal word: WARNING

Target organs: None known

Pictograms: GHS03

GHS Label information: Hazard statement:

H272: May intensify fire; oxidizer.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known

Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition / Informa	tion on Ingredients			
Chemical Name	CAS #	%	EINECS	
Magnesium nitrate, hexahydrate	13446-18-9	100%	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 BE HARMFUL IF INHALED. 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 water. Do not use dry chemicals or foams. CO2 or Halon® may provide limited control.

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: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Substance will accelerate burning when involved in a fire. May ignite combustibles (wood, paper, oil, clothing, etc.). Containers may explode when heated.

Accidental Release Measures Section 6

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: Recover for reuse if not contaminated. Remove all sources of ignition. 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 dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

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

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 dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator

approved respirato							
Section 9	Physical & Chemical Pro	perties					
Odor: No odor Odor threshold: D pH: Data not availa	able point: 89°C (192°F) composes	Flammability (so Explosion limits: Vapor pressure (Vapor density (A	(= 1): Data not av lid/gas): Data not av Lower / Upper: D mm Hg): Data not av (Specific gravity): 'Soluble in water	available lata not available available ailable	Auto-igniti Decompos Viscosity: Molecular		: Data not available re : 330°C (626°F) ole
Section 10	Stability & Reactivity						
Chemical stability Conditions to avo	 y: Stable bid: Excessive temperatures and 		s polymerization: V	Vill not occur.			
Incompatible mate	erials: Reducing agents, oxidize	ers, organic and com	bustible materials.				
Hazardous decom	nposition products: Nitric acid	fumes and sometime	es nitrogen tetroxide	are reported.			
Section 11	Toxicological Informatio	n					
Carcinogenity: D NTP: No compone IARC: No compone OSHA: No compor	ent of this product present at leve ent of this product present at leve nent of this product present at leve	els greater than or eq vels greater than or e	ual to 0.1% is identi	fied as probable, po tified as a carcinoge	ssible or confir n or potential o	med human card arcinogen by OS	
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dent 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. Form 06/2015