MAGNESIUM NITRATE

(4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Solid crystals White Odorless Magnesium nitrate hexahydrate Nitromagnesite			4.1 Flash Point: Not flammable. 4.2 Flammable Limits in Air: Not pertinent. 4.3 Fire Extinguishing Agents: Use materiale concentrate for the surgemention.	 7.1 Grades of Purity: Technical; 98%. 7.2 Storage Temperature: Ambient. 7.3 Inert Atmosphere: None required. 7.4 Venting: Not listed. 		
Wear prote	ctive gloves and clean body-cove	ring clothing. cies.	fire.	7.5 IMO Pollution Category: Currently not available		
F ine	Not flammable		4.4 Fire Extinguishing Agents Not to Be Used: Not pertinent.	7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Oxidizer 8.2 49 CFR Class: 5.1 8.3 49 CFR Package Group: III		
Fire	Strong oxidizer which may caus oxidizable materials. Wear full protective clothing and Extinguish with materials approp	e extremely violent combustion of d self-contained breathing apparatus. priate for surrounding fire.	 Special Hazards of Combustion Products: Toxic fumes of nitrogen oxides are produced when heated to decomposition. Behaviter is Eirar Content with oxidirable 			
Exposure	CALL FOR MEDICAL AID.		substances may cause extremely violent			
	DUST Move victim to fresh air.		4.7 Auto Ignition Temperature: Not	8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Not listed		
	If not breathing, give artificial re If breathing is difficult, give oxyg	spiration. gen.	4.8 Electrical Hazards: Not pertinent.	8.6 EPA Reportable Quantity: Not listed.		
	LIQUID Remove contaminated clothing	and shoes.	4.9 Burning Rate: Not pertinent.4.10 Adiabatic Flame Temperature: Not	8.8 RCRA Waste Number: Not listed		
	Wash skin with soap and water IF IN EYES, hold eyelids open a	and flush with plenty of water.	ertinent. 4.11 Stoichometric Air to Fuel Ratio: Not	8.9 EPA FWPCA List: Not listed		
	IF SWALLOWED and victim is or milk and induce vomiting.	CONSCIOUS, have victim drink water	pertinent. 4.12 Flame Temperature: Not pertinent.	9. PHYSICAL & CHEMICAL PROPERTIES		
Water	Effect of low concentrations on	aquatic life is unknown.	4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent.	9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 256.41		
Pollution	Notify local health and wildlife of Notify operators of pearby wate	rater intakes. fficials. rr intakes	4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed	9.3 Boiling Point at 1 atm: Decomposes at 626°F = 330°C = 603°K		
			5. CHEMICAL REACTIVITY	9.4 Freezing Point: 192°F = 89°C = 362°K		
4.0000000000000000000000000000000000000			5.1 Reactivity with Water: No reaction.	9.6 Critical Pressure: Currently not available		
1. CORRECTIVE Stop discha	RESPONSE ACTIONS	2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed.	5.2 Reactivity with Common Materials: Contact with dimethyl formamide,	9.7 Specific Gravity: 1.46 9.8 Liquid Surface Tension: Currently not		
		 2.2 Formula: Mg(NO₃)₂ 6H₂O 2.3 IMO/UN Designation: Currently not 	combustible, organic, and oxidizable materials can generate heat, perhaps	 available 9.9 Liquid Water Interfacial Tension: Currently not available 9.10 Liquid State Interfacial Tension: Currently not available 		
		available 2.4 DOT ID No.: 1474 2.5 CAS Beginter No.: 13446 18.0	5.3 Stability During Transport: Stable.			
		2.6 NAERG Guide No.: 140 27 Standard Industrial Trade Classification	5.4 Neutralizing Agents for Acids and Caustics: Not pertinent.	available		
		52359	5.5 Polymerization: Will not polymerize.5.6 Inhibitor of Polymerization: Not	Currently not available		
3.1 Personal Prote	3. HEALTH ctive Equipment: Wear protective	HAZARDS	pertinent.	9.12 Latent Heat of Vaporization: Currently not available		
encountere 3.2 Symptoms Foll	d, use approved respirator.	cause mild irritation to the mucous membranes.	6. WATER POLLUTION	9.13 Heat of Combustion: Currently not available9.14 Heat of Decomposition: Currently not		
Symptoms i dizziness, a	may include coughing and shortne bdominal pain, vomiting, bloody di	ess of breath. Ingestion of large doses may cause iarrhea, weakness, convulsions, and collapse.	6.1 Aquatic Toxicity: Currently not available	available 9.15 Heat of Solution: Currently not available		
Contact wit 3.3 Treatment of E	h skin may cause irritation, redne xposure: Get medical attention.	ss, and pain. INHALATION: Remove to fresh air. If not breathing,	6.2 Waterfowl Toxicity: Currently not available	9.16 Heat of Polymerization: Not pertinent.		
give artificia 15 min., lifti	al respiration. If breathing is difficung lids occasionally. Contact lens	ult, give oxygen. EYES: Flush with water for at least es should not be worn when working with this	6.3 Biological Oxygen Demand (BOD): Currently not available	9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available		
chemical. S INGESTION	KIN: Remove contaminated cloth I: Induce vomiting immediately by	hing and shoes. Wash with soap and water. γ giving two glasses of water or milk and sticking finger	6.4 Food Chain Concentration Potential: Currently not available	9.19 Reid Vapor Pressure: Currently not available		
3.4 TLV-TWA: Not I	listed.		6.5 GESAMP Hazard Profile: Bioaccumulation: 0			
3.5 TLV-STEL: Not 3.6 TLV-Ceiling: Not	listed. ot listed.		Damage to living resources: 0 Human Oral hazard: 0			
3.7 Toxicity by Inge 3.8 Toxicity by Inha	estion: Currently not available alation: Currently not available.		Human Contact hazard: Reduction of amenities: X			
3.9 Chronic Toxicit 3.10 Vapor (Gas) Irr	ty: Currently not available ritant Characteristics: Not pertin	ent.	NOTE	s		
3.11 Liquid or Solid cause smar	I Characteristics: Minimum hazar rting and reddening of skin.	rd. If spilled on clothing and allowed to remain, may				
3.12 Odor Threshol 3.13 IDLH Value: No	ld: Odorless ot listed.					
3.14 OSHA PEL-TW 3.15 OSHA PEL-ST	/A: Not listed. EL: Not listed.					
3.16 OSHA PEL-Cei 3.17 EPA AEGL: No	ling: Not listed. at listed					

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
	N O T		N O T		N O T		N O T
	- PERT-NENT		- PERTINENT		- PERT-NENT		- PERT-NENT

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
	N O T		N O T		N O T		N O T
	P E R T I N E N T		I P R T I N E N T		r Pert T		r Pert T I Nen T