MATERIAL SAFETY DATA SHEET

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MSDS No. MM 70 Effective Date July 1, 1986

SECTION	NAME	24 HC	DUR EN	IERGENC	Y A
Product	MAGNESIUM HYDROXIDE			HEMTREC 0-424-9300	
Chemical Synonyms	Magnesium Hydrate	\times	Day 7	16-226-6177	7
Formula	Mq(OH)2	NEP		716-334-4222	Re
Unit(s) Size	1309-42-8	HAZA	RD RAT	ING MODERATE	Н
C.A.S. No.		0	1	2	
CECTION	IL HAZADDOUS INCREDIE	THE O	E MIN	THIDE	TER

EMERGENCY ASSISTANCE

1		HEMTREC 0-424-9300	Не	alth	0
X		16-226-6177		Fire	0
NFP	Α		React	ivity	0
	RD RAT				
LEAST	SLIGHT	MODERATE	HIGH	EXTR	EME
0	1	2	3	4	

Principal Hazardous Component(s)	%	TLV Units	
Magnesium Hydroxide	100%	None established	

Low	hazard	for	usual	laboratory	handling;	non-toxic.
			1			
			1			

SECTION III PH	YSICAL DATA		
Melting Point (°F)	.350°C decomposes	Specific Gravity (H,0 = 1)	2.36
Boiling Point (°F)	Decomposes	Percent Volatile by Volume (%)	Non-volatile (NA)
Vapor Pressure (mm Hg)	Negligible as solid	Evaporation Rate (n_Butyl_Ac = 1)	Non-volatile (NA)
Vapor Density (Air = 1)	Data not listed		

Solubility in Water Appearance and Odor

Practically insoluble in water (1 gram per 80,000 ml water).

SECTION	IV FIRE AND EX	(PLOSION HAZARD	DATA	
Flash Point		Flammable Limits in Air	Lower	Upper
(Method Used)	Non-flammable (NA)	% by Volume NA		

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react with acids.

D.O.T. NON-REGULATED

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEAL	TH HAZARD DATA
Threshold Limited Value	None established for Magnesium Hydroxide.
	TWA as Magnesium Oxide fume [CAS No. 1309-48-4] 10 mg/m^3 (Air) (ACGIH 1983-84).
Effects of Overexposure	INHALATION: Low hazard for usual laboratory handling. SKIN: Not hazardous.
	INGESTION: Laxative
350	EYES: No specific hazard known to us. However, any material that contacts
	the eye may be irritating or cause mechanical injury.
Emergency and	INHALATION: Remove to fresh air. If ill effects develope get medical
First Aid Procedures	attention. SKIN: Flush with water.
	EYES: Flush thoroughly with water. If irritation develops or persists
	get medical attention. INGESTION: Give one or two glasses of water to drink. If ill effects
	develope get medical attention.
SECTION VI REAC	TIVITY DATA
Stability Unstable	Conditions to Avoid
Stable x	Acid and acid fumes.
Incompatibility (Materials to avoid)	s and acid fumes.
Hazardous Decomposition Products	Magnesium oxide dust.
Hazardous Polymerization	Conditions to Avoid
May Occur Will Not Occur	
x	Not applicable.
SECTION VII SPILL	OR LEAK PROCEDURES
Steps to be taken in case material is released or sp	Sweep up and place in a suitable container for disposal.
Waste Disposal Method	Herentaminated material may be disposed of in a suite 2-16:33
	Uncontaminated material may be disposed of in a sanitary landfill.
Discharge, treatment, or disposal may be	
SECTION VIII SPEC	IAL PROTECTION INFORMATION
(Specify Type) None need	ed in normal laboratory handling. If dusty conditions prevail, ume hood or wear a NIOSH-approved dust mask.
Ventilation Local Exhaust Mechanical (Genera	
Protective Gloves None no	Euro Drotantina
Other Protective Equipment Eye wash station	, goggles, ventilation hood.
SECTION IX SPEC	IAL PRECAUTIONS
Precautions to be Taken in Handling and Storing	Store in a cool, dry place away from acids or acid fumes.
Keep container tightly closed when not in use.	Wash thoroughly after handling.

Other Precautions Read label on container before using.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No. No.1 Date 1/12/87 Approved Alexander Piccirilli Chemical Safety Ap

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