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FROM NATIONAL REFRACTORIES TO : 4084351104 1996.11-05 12:26 4376 P.02/03

NATIONAL
REFRACTORIES & MINERALS

MATERIAL SAFETY
DATA SHEET

"MAG-OXIDE N-GRADE"

ADDRESS : 7852 Rutan Drive
Livermore, California 94550

LABEL NO. : None MSDS NO. : C150-4

PRODUCT NAME : MAG-PLUS; NL-F92;
NUTRI-MAG; PHILLS;
PYRO-MAG

DATE : July 27, 1996

EMERGENCY PHONE: (510) 449-5016

CHEMICAL NAME: Magnesium oxide

DOT ID NUMBER : MAP

I. INGREDIENTS

Ingredient	CAS Number	Exposure Limits		SARA TITLE
		ACGIH TLV's (TWA)	OSHA PEL's (TWA)	
Magnesium oxide	100 1309-48-6	10 mg/m ³ (fume)	5 mg/m ³ (fume)	III, SECTION 313 REPORTABLE

II. PHYSICAL DATA

APPEARANCE : granular, dry
BOILING POINT: MAP
MELTING POINT: MAP

COLOR : Light gray
ODOR : None
pH : MAP

SPECIFIC GRAVITY (gm/cc): 1.0 - 4.0
SOLUBILITY IN WATER (%): Nil
VAPOR PRESSURE (mm Hg) : MAP

III. PERSONAL PROTECTIVE EQUIPMENT

- RESPIRATORY PROTECTION : Respirator approved by NIOSH/MSHA and adequate for contaminant concentrations encountered.
- HAND PROTECTION : Impervious gloves are recommended.
- EYE PROTECTION : Safety glasses are recommended.
- OTHER : Local exhaust recommended to maintain exposures below TLV's and PEL's.

IV. EMERGENCY MEDICAL PROCEDURES

- SKIN: Wash with soap and plenty of water.
- EYES: Irrigate immediately with copious amounts of water. Consult physician if necessary.
- INHALATION: Remove to fresh air.

MAP = Not Applicable

NAV = Not Available

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V. HEALTH INFORMATION

CARCINOGENICITY: N/A

IRITATION: May irritate the respiratory tract on prolonged or repeated contact. May aggravate pre-existing respiratory conditions.

SKIN: Repeated or prolonged contact may cause irritation.

EYES: May irritate or injure eyes.

LD₅₀: N/A

LC₅₀: N/A

VI. FIRE & REACTIVITY DATA

STABILITY : Stable

FLASH POINT : N/A

FLAMMABLE LIMITS: N/A

UNUSUAL FIRE & EXPLOSION HAZARDS: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

INCOMPATIBILITY : N/A

EXTINGUISHING MEDIA: N/A

CONDITIONS TO AVOID: N/A

VII. ENVIRONMENTAL

SPILL OR LEAK PROCEDURES: Use dust free methods of cleanup.

WASTE DISPOSAL METHOD: Final used product should be tested to determine hazard status and disposed in accordance with federal, state and local laws and regulations.

VIII. ADDITIONAL INFORMATION

1. Use an approved respirator if dust is created during handling, installation or tearout.
2. Toxic risk may be altered by chemical or physical changes caused by conditions of use.
3. May become slippery when wet.

Prepared by: Corporate Environmental Services

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