

Magnesite

COMBUSTION ENGINEERING

MATERIAL SAFETY DATA SHEET

Magnesium Oxide

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SECTION I, MATERIAL IDENTIFICATION

Material Name: Magnesium Oxide
CAS Registry #: 1309-48-4
Typical Chemical Content: MgO
Chemical Family: Alkaline Earth Oxide
Chemical Name: Magnesium Oxide



SECTION II, INGREDIENTS AND HAZARDS

Magnesium oxide is listed in American Conference Governmental Industrial Hygienists (ACGIH) as nuisance dust.

The current OSHA Permissible Exposure Limit (PEL) for respirable nuisance dust is 5 mg/m³ averaged over an 8 hour workshift.

This product does not contain any substances listed in the National Toxicology Program "Annual Report on Carcinogens" (1983) nor the International Agency for Research on Cancer Monographs, nor by OSHA.

SECTION III, PHYSICAL DATA

Appearance and Odor: Off white granular material, no distinguishable odor.
Specific Gravity: 3.4 g/cc

SECTION IV, FIRE AND EXPLOSION DATA

This material is non-combustible. Use extinguishing media appropriate to the surrounding area.

SECTION V, REACTIVITY DATA

This material is stable; however, it hydrates slowly with the generation of some heat and should be kept dry.

SECTION VI, HEALTH HAZARD DATA

Magnesium Oxide can cause irritation to the eyes on contact and to the skin on prolonged contact. If the material contacts the skin, it should be washed off thoroughly using a mild soap and water.

First Aid Procedures: In case of eye contact, flush eyes thoroughly with water. Consult physician.

Avoid dusty conditions. Dust tends to dehydrate mucuous membrane.

SECTION VII, SPILL, LEAK AND DISPOSAL

Pick up by scooping, sweeping or vacuum. Avoid raising dust clouds.

DISPOSAL: Non-Biodegradable - Use solid waste disposal common to landfill type operation or similar disposal.

SECTION VIII, SPECIAL PROTECTION INFORMATION

Provide adequate general and local exhaust ventilation to meet PEL requirements. Provide workers with dust respirators for use in emergency or non-routine situations where dust levels may exceed PEL. A NIOSH approved half face piece respirator can be used for exposures up to 10X PEL.

Workers should wear goggles for eye protection, and protective clothing appropriate for the work situation.

SECTION IX, SPECIAL PRECAUTIONS AND COMMENTS

Keep dust in work area at a minimum and maintain air concentration of dust as far below PEL as feasible. Use good housekeeping techniques, such as, vacuuming to remove collected dust and prevent formation of dust clouds. Avoid inhalation of dust. Avoid eye contact or prolonged skin contact with material. Workers should be advised of the potential hazards and trained in proper use of protective equipment.

Although reasonable care has been taken in the preparation of the information contained herein, Combustion Engineering, Inc. extends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

DATE PREPARED: 11/85
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PRODUCT #: _____