

SECTION 1 - IDENTIFICATION

PRODUCT (TRADE) NAME: OMEGA CLAD (MAGNESIUM OXIDE)

CHEMICAL FAMILY: Magnesia Oxide (MgO)

DATE PREPARED: 8/98

SUPERSEDES: 6/91

SUPPLIER: OMEGA ENGINEERING, INC.
P.O. BOX 4047
STAMFORD, CT 06907

TELEPHONE: (203) 359-1660

SHIPPING NAME (UN NUMBER PER TRANSPORTATION AUTHORITY): N/A

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION*

CHEMICAL NAME	CAS NUMBER	% Typical	CARCINOGEN	OSHA PEL	ACGIH TLV
Magnesium Oxide	1309-48-4	>90	no	15mg/m3 (Total)	10mg/m3
*Silica (amorphous, fused)	60676-86-0	1 - 5	no	80mg/m3/ %SiO2	0.1mg/m3
*Calcium Oxide	1305-78-8	1 - 5	no	5mg/m3	2mg/m3
*Others		<1			

* In combined state with MgO.

SECTION 3 - PHYSICAL DATA

BOILING POINT (DEG F): 6500
MELTING POINT (DEG F): 5000
SPECIFIC GRAVITY (g/cc): 3.58
SOLUBILITY IN WATER: Negligible
VAPOR PRESSURE (mm Hg): N/A
VAPOR DENSITY (AIR = 1): N/A
EVAPORATION RATE: N/A
VOLATILE: N/A
APPEARANCE AND COLOR: Light to Amber granules or powder
ODOR: None

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A

FLAMMABLE LIMITS: LEL: N/A

UEL: N/A

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

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 5 - REACTIVITY DATA

STABILITY: This material is stable under ordinary conditions.

INCOMPATIBILITY: Violent reaction or ignition in contact with interhalogens (e.g., bromine pentafluoride; chlorine trifluoride). Incandescent reaction with pentafluoride.

HAZARDOUS DECOMPOSITION: Does not occur under normal conditions.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 - HEALTH HAZARD DATA

Inhalation Inhaled dust may cause slight irritation. Remove from area of exposure to fresh air. If irritation continues, seek medical attention.

Ingestion Ingestion should not cause any significant health problems. However, swallowing large amounts may lead to bowel obstruction.

Eye Contact Dust may cause a slight irritation. Flush eyes with water. If irritation continues, seek medical attention.

Skin Contact Skin exposure to dust may cause a slight irritation. Wash skin with mild soap and water.

SECTION 7 - SPILL, LEAK AND DISPOSAL PROCEDURES

SPILL OR LEAK PROCEDURES: Notify safety personnel of major spills. Provide ventilation. Cleanup personnel need protection against eye contact and inhalation of dust. Pick-up spills, taking care to avoid raising dust clouds (use vacuum or wet sweeping where necessary).

WASTE DISPOSAL METHOD: Use waste containers suitable for transportation, and dispose of (can be land-filled) in accordance with Federal, State and local regulations.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Provide workers with dust respirators for use in emergency or non-routine situations where dust levels may exceed PEL or TLV.

TYPE: A NIOSH or OSHA approved half face piece respirator can be used up to 10X PEL. For exposure up to 100X PEL, use full face piece respirator with replaceable dust filter. Higher exposures need an approved air-supplied respirator.

VENTILATION: Provide adequate general and local exhaust ventilation to meet PEL requirements. Local exhaust: Recommended for dusty conditions such as those generated during cutting operations.

EYE PROTECTION: Workers should wear safety glasses for eye protection as for any chemical or cutting operation.

PROTECTIVE GLOVES: Recommended during manual handling of material.

OTHER PROTECTIVE EQUIPMENT: Use as recommended for surrounding materials or conditions.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS DURING STORAGE: None

OTHER: 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 and wet sweeping to remove collected dust and prevent formation of dust clouds.

Avoid inhalation of dust. Avoid eye contact with materials.

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