

emdin | material safety data sheet

GYPSUM INVESTMENTS

SECTION I: PRODUCTS

PRODUCT:

Red Soldering Investment
Cristobalite Investment
Ceracast-G
Cristobalite Model Investment
Jewelry Casting Investments

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CHEMICAL FAMILY: Silicon Dioxide Gypsums

SECTION II : HAZARDOUS INDREDIENTS

MATERIALS: Silicon Dioxide, Calcium Sulphate, Aluminum oxide and silicates

SECTION III : PHYSICAL DATA

SOLUBILITY IN WATER: 1.00 Percent

SPECIFIC GRAVITY: 2.45

APPEARANCE AND ODOR: White Odorless Powder

SECTION IV : FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: Not Combustible

SECTION V : HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 10 mg/M3/(% Respirable quartz+2)

Prolonged overexposure above the Threshold Limit Value specified above may cause delayed injury to lungs (silicosis). Silicosis is a form of disabling, progressive and sometimes fatal pulmonary fibrosis characterized by the presence of typical nodulation in the lungs.

(more)

SECTION VI : REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Hydrofluoric Acid (HF), in which silica will dissolve and produce the corrosive gas silicon tetrafluoride.

Hazardous decomposition and hazardous polymerization will not occur.

SECTION VII : SPILL OR LEAK PROCEDURES

SPILL PROCEDURE: Use dustless methods-vacuum and place into closable container for disposal, or flush with water. Do not dry sweep. Wear protective equipment specified below.

WASTE DISPOSAL METHOD: Dispose in accordance with federal, state, and local regulations.

SECTION VIII : SPECIAL PROTECTION INFORMATION

VENTILATION: Use sufficient local exhaust to reduce the dust to the PEL for respirable quartz.

PROTECTIVE GLOVES: Optional

EYE PROTECTION: Protect from dust particles.

RESPIRATORY PROTECTION: Use NIOSH approved dust mask respirator under appropriate OSHA standards and regulations.

SECTION IX : SHIPPING REGULATIONS FOR HAZARDOUS MATERIAL

Not D.O.T. regulated.

SECTION X : SPECIAL PRECAUTIONS

Use dustless or wet systems when handling and clean-up so that exposure does not exceed the Threshold Limit Value in Section V above. Practice good housekeeping, maintain ventilation system and post appropriate warning notices where product is used, stored and handled. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Maintain, clean and test respirators in accordance with OSHA regulations.

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