

PRODUCT GROUP: Industrial Plasters - Pottery, Moulding, Gauging, Art, Casting and Dental

000720

SECTION I

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USG Pottery Plaster - Regular
 USG No. 1 Pottery Plaster
 PURITAN Pottery Plaster
 White Moulding Plaster
 No. 1 Moulding Plaster
 No. 2 Moulding Plaster
 USG Moulding Plaster
 Superfine Casting Plaster
 No. 1 Casting Plaster

Industrial Binder
 Industrial Gauging Plaster - White
 Industrial Plaster - PC and PC-1
 Industrial Plaster - IG-100
 White Art Plaster
 USG Dental Plaster
 Crayon Plaster
 Safe Filler Plaster
 Metal Casting Base No. 1

Casting Plaster

Metal Casting Base No. 2

DATE ISSUED: May 13, 1986
 CHEMICAL FAMILY: Calcium Sulfate

SECTION II
HAZARDOUS INGREDIENTS

MATERIAL:	%	TLV	CAS #
None			

SECTION III
PHYSICAL DATA

MELTING POINT: 1450°C - decomposes
 SOLUBILITY IN WATER: 0.2 %
 SPECIFIC GRAVITY (H₂O = 1): 2.68 - 3.2
 APPEARANCE AND ODOR: White powder, low odor
 HARDENING TIME: Varies. Check usage and/or product specification data for each product

SECTION IV
FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): None
 EXTINGUISHING MEDIA: Not combustible
 SPECIAL FIRE FIGHTING PROCEDURES: None
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V
HEALTH HAZARD DATA

cc: Carol Warkes

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EFFECTS OF OVEREXPOSURE:

ACUTE: EYES: Particles may cause irritation.
 ACUTE: SKIN: May develop sufficient heat to cause burns if a large mass, such as a cast of a hand or arm, is kept in contact with the skin while hardening. May dry skin.

CHRONIC: None Known

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water to remove particles. If irritation continues, see physician.

SKIN: Wash with water.

INGESTION: Plaster hardens when wetted, and if ingested may result in obstruction. See Section III for Hardening Time. Call physician.

INHALATION: Remove to fresh air.

SECTION VI
REACTIVITY DATA

STABILITY:

Stable

INCOMPATIBILITY:

Acids

HAZARDOUS DECOMPOSITION PRODUCTS:

Above 1450°C - SO₂ & CaO

HAZARDOUS POLYMERIZATION:

Will not occur

SECTION VII
SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep or vacuum material from spillage into a waste container for disposal. Avoid dusting conditions. Slurry may plug drains.

WASTE DISPOSAL METHOD:

This material can be disposed of as inert solid in a landfill or by other procedures which are accepted under Federal, State, and local regulations.

SECTION VIII
SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Provide general ventilation and local exhaust ventilation to meet TLV requirements. When dusty condition exists, wear an approved dust mask to guard against nuisance particles.

PROTECTIVE EQUIPMENT:

Gloves or protective clothing are usually not necessary but may be desirable in specific work situations. Eye protection (goggles) may be needed to avoid particulate irritation of the eye.

SECTION IX
SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Dew point conditions, or other conditions causing the presence of liquid water will harden plaster during storage. Be sure proper ventilation and respiratory and eye protection are used under dusting conditions.