

MATERIAL SAFETY DATA SHEET

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United States Gypsum Company
125 S. Franklin Street
Chicago, IL 60606-4678

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SECTION I

PRODUCT GROUP: Industrial Plasters

A AIRTROL® Plaster
Casting Plaster; Regular, Superfine
Crayon Plaster; Regular & XL
Essex Industrial Plaster
Industrial Binder
Industrial Gauging Plaster-Regular & White
Industrial Plaster IG-100
Industrial Plaster; DP & GF
Industrial Plaster Hercules Special
Metal Casting Base No. 1
Metal Casting Base No. 2
OCEAN Wash 3000
PURITAN® Pottery Plaster
No. 1 Casting Plaster
No. 2 Moulding Plaster
USG Pottery (Regular) Plaster - Thermoshock
No. 1 Pottery Plaster - Thermoshock

No. 1 Moulding Plaster
Regular, RP & R&R
Safe Filler Plaster; Regular & FK
USG® Dental Plaster; Regular, Impression
Laboratory, PV Fast, PV Medium & UA 66

USG® Moulding Plaster;
Regular, Hoge Mix & B&W
USG® No. 1 Pottery Plaster;
Regular, NB, Crane & HWZ
USG® Pottery Plaster - Regular
White Art Plaster
White Moulding Plaster
Wood Fiber Plaster
Zou Plaster

PURITAN® Pottery Plaster - Thermoshock

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CHEMICAL FAMILY: Calcium Sulfate

SECTION II
INGREDIENTS

MATERIAL	%	TLV mg/M3	PEL mg/M3	CAS No.
Plaster of Paris	80-100	10	15/5(R)	26499-65-0
Calcium Carbonate	0-5.0	10	15/(R)	1317-67-3
Portland Cement	0-5.0	10	50MPPCF	65997-15-1
Lime	0-3.0	5	5	1305-62-0
Hydroxy Ethyl Ether of Cellulose	0-2.0	(NE)	(NE)	9004-62-0
Polyvinyl Alcohol	0-2.0	(NE)	(NE)	9002-89-5
Starch	0-2.0	10	15/5(R)	9005-25-8
Wood Fiber	0-2.0	5	5	(NE)
Potassium Naphthalene Sulfon	0-0.8	10	15/5(R)	9069-79-8
Aluminum Sulfate	0-0.5	2	2	10043-01-3
Sodium Citrate	0-0.5	(NE)	(NE)	994-36-5
Ammonium Tartrate	0-0.3	(NE)	(NE)	87-69-4
Hydrolyzed Protein	0-0.3	(NE)	(NE)	65997-21-9
Monosodium Phosphate	0-0.2	(NE)	(NE)	7558-80-7
Sodium Naphthalene Sulfonate	0-0.2	(NE)	(NE)	9084-06-4
Potassium Sulfate	0-0.5	10	15	7778-80-5
Methylhydroxypropyl Cellulose	0-0.07	(NE)	(NE)	8004-65-3
Calcium Lignosulfonate	0-Tr	10	15	8061-52-7
Sod. Potassium Tartrate	0-Tr	(NE)	(NE)	304-59-6
Tributyl Phosphate	0-Tr	2.2	2.5	126-73-8
Alkyl Ether Sulfate	0-Tr	(NE)	(NE)	68690-88-0

(R)-Respirable (Tr)-Trace (NE)-Not Established

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Page 2

SECTION III
PHYSICAL DATA

MELTING POINT: 1450°C - decomposes
 SOLUBILITY IN WATER: 0.2%
 SPECIFIC GRAVITY (H₂O = 1): 2.6-3.2
 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

EFFECTS OF OVEREXPOSURE:

ACUTE:

EYES: Particles may cause irritation.

SKIN: When mixed with water, this material hardens and then slowly becomes hot. DO NOT attempt to make a cast enclosing any part of the body. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissue. May dry skin.

INHALATION: Breathing of mixing dust may cause irritation to the eyes, nose, throat or upper respiratory system.

INGESTION: See Emergency and First Aid - Ingestion below.

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.

TARGET ORGANS: Lungs.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: Pre-existing upper respiratory and lung disease such as, but not limited to, bronchitis, emphysema and asthma.

PRIMARY ROUTE OF ENTRY: Inhalation.

CARCINOGENICITY OF INGREDIENTS:

Material	IARC	NTP	OSHA
All	Not Listed	Not Listed	Not Listed

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Page 3

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 an 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, respiratory and eye protection are used under dusting conditions.

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