

MATERIAL SAFETY DATA SHEET

Wel-Cote™ Plaster of Paris
7/15/02

FILE NO: POP
MSDS DATE:

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Wel-Cote™ Plaster of Paris
SYNONYMS: Plaster of Paris
PRODUCT CODES: 524(1lb.), 525(5lb.), 526(25lb.)
MANUFACTURER: Welco Manufacturing Company
ADDRESS: 1225 Ozark Street, North Kansas City, Missouri 64116

EMERGENCY PHONE: (800)821-7352
OTHER CALLS: (816)471-1788
FAX PHONE: (816) 471-3439

CHEMICAL FAMILY: Mixture of Calcium Sulfate Hemihydrate and Minerals.
CHEMICAL FORMULA: Compound

PRODUCT USE: Decorative castng and repairs.
PREPARED BY: Robert L. Hamilton

SECTION 1 NOTES:**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	CAS Number	% WT	% VOL	TLV (mg/m ³)	PEL(mg/m ³)
Plaster of Paris	26499-65-0	>30	>30	10	15(T)/5(R)
Limestone	1317-65-3>30	>30	10	15(T)/5(R)	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Not hazardous when used according to directions.

ROUTES OF ENTRY: Eyes, Mouth, and Nose

POTENTIAL HEALTH EFFECTS

EYES: Contact can cause mechanical irritation. Rinse with water for at least 15 minutes. If burning, redness or pain persist, contact a physician.

SKIN: Prolonged contact may cause irritation. Wash with soap and water. If irritation persists, contact a physician.

INGESTION: Material is nontoxic, however, ingestion of a significant quantity may cause an obstruction. If gastric discomfort occurs, contact a physician.

INHALATION: Inhalation of dust may irritate nose, throat, and lungs. Remove to fresh air. Seek medical attention if condition persists.

ACUTE HEALTH HAZARDS

EYES: May cause mechanical irritation of the eyes, burning, redness, or pain. If these conditions persist, contact a physician.

SKIN: This material hardens when mixed with water. Heat is generated as the material sets. DO NOT attempt to make a cast of the body using this material. Use of this product for making casts of the body can cause severe burns which may result in the need for surgical removal of the damaged tissue or amputation of the affected limb. Prolonged contact with the skin may result in abrasions. If irritation persists, contact a physician.

INHALATION: The dust from dry product or as a result of sanding may cause upper respiratory irritation. If this condition develops, remove the person to fresh air. If these conditions persist, contact a physician.

INGESTION: Unlikely to occur. If significant quantity is swallowed, the product will react with moisture and cause gastric blockage. If this occurs, contact a physician.

CHRONIC HEALTH HAZARDS: Chronic overexposure to dust may result in lung disease and/or cancer.

MATERIAL SAFETY DATA SHEET

Wel-Cote™ Plaster of Paris
7/15/02

FILE NO: POP
MSDS DATE:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing upper respiratory and lung diseases, which may include, but are not limited to, bronchitis, emphysema, and asthma.

CARCINOGENICITY

MATERIAL

NTP:

IARC:

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Rinse with water for at least 15 minutes. If redness or irritation persists, consult physician.

SKIN: Rinse with soap and water. If irritation persists, consult physician.

INGESTION: If nausea or irritation or gastric blockage occurs, consult physician.

INHALATION: Remove to fresh air. If respiratory symptoms persist, consult physician.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Rinse affected areas with water.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: None
LOWER: None

FLASH POINT: Non-Combustible

AUTOIGNITION TEMPERATURE: None

NFPA HAZARD CLASSIFICATION

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

OTHER: N/A

HMIS HAZARD CLASSIFICATION

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

PROTECTION: 0

EXTINGUISHING MEDIA: Use appropriate extinguishing media for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide will be produced at temperatures exceeding 800°C. Thermal decomposition will produce Water, Carbon Dioxide, Carbon Monoxide, and Acetic Acid.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Use normal clean up procedures. Area may become slick, take caution to avoid falling. Wear appropriate protective equipment. Shovel material into a waste container for disposal.

SECTION 6 NOTES: Dispose of material in accordance with federal, state, and local regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Use appropriate personal protection equipment when handling and finishing.

OTHER PRECAUTIONS: Store in dry conditions. Conditions causing the presence of liquid will harden this material during storage.

MATERIAL SAFETY DATA SHEET

Wel-Cote™ Plaster of Paris
7/15/02

FILE NO: POP
MSDS DATE:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Minimize dust exposure in accordance with good hygiene practices.

VENTILATION : Ventilate to keep exposures below TLV.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respirator when dry sanding.

EYE PROTECTION: Wear safety glasses or goggles to prevent particulate irritation to the eye.

SKIN PROTECTION: Generally not necessary, but may be desirable in certain conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK HYGIENIC PRACTICES: Follow acceptable good hygiene practices.

EXPOSURE GUIDELINES: Use wet sanding technique to avoid exposure to dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White to off-white powder.

ODOR: Low odor.

PHYSICAL STATE: Dry powder.

pH AS SUPPLIED: 7-8.5

BOILING POINT:

F: 212°

C: 100°

MELTING POINT: Decomposes

F: 787°

C: 1450°

FREEZING POINT:

F: N/A

C: N/A

VAPOR PRESSURE (mmHg): N/A

@

F: 20°

C: -8°

SPECIFIC GRAVITY (H₂O = 1): 1.5-2.5

SOLUBILITY IN WATER: Soluble

PERCENT SOLIDS BY WEIGHT: 100

PERCENT VOLATILE:

BY WT/ BY VOL @ 212°F/ 100°C

0

0

VOLATILE ORGANIC COMPOUNDS (VOC): <2g/L

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

MATERIAL SAFETY DATA SHEET

Wel-Cote™ Plaster of Paris

7/15/02

FILE NO: POP

MSDS DATE:

STABILITY: Yes

CONDITIONS TO AVOID (STABILITY): Liquids will cause product to harden.

INCOMPATIBILITY (MATERIAL TO AVOID): Acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Dioxide, Carbon Monoxide, and Acetic Acid.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): None.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not toxic.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No effect known.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations, as these will differ from one area to the next.

RCRA HAZARD CLASS: None

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION
PROPER SHIPPING NAME: Plaster of Paris
HAZARD CLASS: NMFC 50
ID NUMBER: NMFC 91950
PACKING GROUP: Sub 2
LABEL STATEMENT: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: None

INTERNATIONAL REGULATIONS: None