



MATERIAL SAFETY DATA SHEET (MSDS)

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Ultimate Hydro-Patch (Hydraulic Cement)

CHEMICAL FAMILY: Mixture of Calcium Sulfate Hemihydrates and Portland cement

MFR'S NAME: Ultimate Epoxy.com, LLC. 2568 Eaton Gate Rd. Lake Orion, MI. 48360

EMERGENCY PHONE: 800/535-5053 (Infotrac) **GENERAL INFORMATION:** 248/391-8118 (Ultimate)

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS #	EXPOSURE LIMITS
Plaster of Paris	95	26499-65-0	PEL 15(T)/5(R)
Crystalline Silica	5	14808-60-7	PEL: 0.1(R)

(T) = Total, (R) = Respirable. All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substance Control Act Chemical Substance Inventory. All components of this product are included in the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).

Section 3: HAZARDS IDENTIFICATION

This product can release nuisance dust in handling or during use. Eye, skin, nose, throat, and upper respiratory irritation may occur with prolonged dust exposures.

EFFECTS OF OVEREXPOSURE:

ACCUTE:

Eyes: Direct contact can cause mechanical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult physician.

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 using this material. Failure to follow these instructions can cause severe burns that may require surgical removal of affected tissue or amputation of the limb. Direct, prolonged or repeated contact with the skin may cause irritation. Rubbing of this product against the skin can result in abrasions. Rinse with water until free of material to avoid abrasions, then wash skin thoroughly with mild soap and water. May dry skin.

Inhalation: Inhalation of dusts from this product may irritate the nose, throat, lungs, and upper respiratory tract. Persons subjected to large amounts of this dust will be forced to leave the area because of nuisance conditions such as coughing, sneezing and nasal irritation. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult physician.

Ingestion: Unlikely to occur, but may cause gastric disturbances if swallowed. Plaster of paris is non-toxic, however, ingestion of a sufficient quantity could lead to mechanical obstruction of the gut, especially the pyloric region. See Emergency First Aid – Ingestion, Below.

CHRONIC: This material displays no specific toxic properties.

Inhalation: Prolonged and repeated exposure to respirable crystalline silica can result in lung disease (e.g., silicosis) and or lung cancer.

Eyes: None Known

Skin: None Known

Ingestion: No Known effects

ATTENTION: No representation is made as to the accuracy or correctness of the information contained herein, other than to state that it is presented by this organization in good faith and we believe it to be correct and accurate per the limits of our understanding and training as of the date of first publication. The user or handler of this product is warned to take the most conservative and safest interpretation possible of all information contained herein and to use the most extreme personal protection measures and exposure limitations prudently dictated by the specific usage or handling situation, this MSDS information and good industrial safety and hygiene practices.

CARCINOGENICITY OF INGREDIENTS:

Material Crystalline Silica, IARC Group 1, NTP Anticipated. The average concentration of respirable crystalline silica measured in USG plaster of paris was less than 0.1 wt %. In June 1997, the International Agency for Research on Cancer classified crystalline silica (quartz and cristobalite) as a human carcinogen. IN making the overall evaluation, the IARC Working Group noted that carcinogenicity in humans was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or external factors affecting its biological activity or distribution of its polymorphs. IARC states that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).

Section 4: FIRST AID MEASURES

EYE:

- Hold eyelids apart and flood with copious amounts of water for 15 minutes. If irritation persists, seek medical attention.

SKIN:

- Wash with mild soap and water. A commercially available hand lotion may be used to treat dry skin areas. If skin has become cracked, take appropriate action to prevent infection and promote healing.

INGESTION:

- No harmful effects expected. No specific recommendations. If gastric disturbance occurs, call physician. This product contains gypsum plaster. Plaster of paris hardens when wetted and, if ingested may result in obstruction of the pyloric region.

INHALATION:

- Remove to fresh air. Leave the area of dust exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary, however if conditions warrant, seek medical attention.

Section 5: FIRE FIGHTING MEASURES

FLASH POINT: Non-Combustible

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: Use appropriate extinguishing media for surrounding combustible material

SPECIAL FIRE FIGHTER INSTRUCTIONS: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

Section 6: ACCIDENTAL RELEASE MEASURES

Isolate spill area. Sweep, Vacuum, or scoop into disposal container, do not allow into drain system, as this product will plug drains. Clean up spill residues with soap and water. This product can be disposed of in a landfill or by other procedures in accordance with Federal, State and Local regulation. Slurry may clog drains.

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Section 7: HANDLING AND STORAGE

Avoid skin, inhalation and eye contact by wearing appropriate Personal Protective equipment. Wash thoroughly after handling or exposure to this product.

Store in dry, well-ventilated areas. Wetting of this product will cause it to harden.

Keep out of reach of children.

NFPA Ratings: Health – 0, Fire – 0, Reactivity – 0, Other – N/A

HMIS Ratings: Health – 0, Fire – 0, Reactivity – 0

Personal Protection: Use eye and skin protection. Use NIOSH/MSHA approved respiratory protection when necessary.

0 = Minimal Hazard; 1 = Slight Hazard; 2 = Moderate Hazard; 3 = Serious Hazard; 4 = Severe Hazard

Section 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

For Personal Exposure Limits (PEL), Threshold Limit Values (TLV)* or other exposure limits, see Sec. 2.

*NOTE: No TLV has been assigned to this product.

GENERAL: Provide ventilation that will keep airborne concentration at a minimum.

EYE/FACE: Safety glasses or splash goggles with face shield.

SKIN: Gloves or protective clothing not typically necessary under normal conditions of use, but may be desirable in specific work situations. Wear gloves to prevent repeated or prolonged skin contact.

RESPIRATORY: Not typically necessary under normal conditions of use. Provide good general ventilation and local exhaust ventilation to meet TLV requirements of individual ingredients and control dusting conditions. Wear a NIOSH/MSHA approved dust respirator in poorly ventilated areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Off white to Gray Powder, Odor: low

VAPOR PRESS: N.D.A.

BOILING PT: N.D.A.

SPECIFIC GRAVITY: 2.3

MELT PT: N/A

PHYSICAL STATE: solid

pH: 7.5 – 8.5

SOLUBILITY IN H₂O: 0.15

Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Acids

HAZARDOUS DECOMPOSITION: Above 1450°C could produce CaO and SO₂

END OF MSDS

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