



MATERIAL SAFETY DATA SHEET

Wallshell® Adhesive Mortars

Section 1: Chemical Product and Company Identification

Product Series	Wallshell® Adhesive Mortars
Catalog Codes	MA1, MA2, MA3; (See Product Specifications for details.)
Chemical Formula	Mixture
Manufacturer Name	Walpanel Inc.
Manufacturer Address	16701 Medford Blvd. Suite 400, Bowie, MD 20715, USA
Telephone (General Information)	1-888-998-4611
Telephone (Emergency)	911
Website	www.wallshell.com

Section 2: Composition / Information on Ingredients

Substance Name	UN#	CAS #	% in Weight
Silica, Crystalline, Quartz	Not a hazardous material for shipping	14808-60-7	35% ~ 65%
Portland Cement	Not a hazardous material for shipping	65997-15-1	30% ~ 60%
Cement, Alumina, Chemicals	Not a hazardous material for shipping	65997-16-2	0.5% ~ 1.5%
Ethylenevinylacetate Copolymer	Not a hazardous material for shipping	24937-78-8	1% ~ 5%
Calcium format	Not a hazardous material for shipping	544-17-2	0.1% ~ 1%

Section 3: Physical and Chemical Properties:

Physical State	Solid
Appearance	Powder
Color	White, Light Gray or Gray
Odor	Odorless
Freezing Point	Not available
Boiling Point	Not available
Melting Point	1540 °C
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	Not available
pH	11 - 13

Percent Volatile by Volume	Not applicable
Evaporation Rate	Not applicable
Solubility in Water	Not applicable
Flash Point	Not applicable
Dispersion Properties	Not dispersed in water
Density	Depends on product (2.9 – 3.15 g/cm ³)
Viscosity	Not available

Section 4: Health Hazard Data

EMERGENCY OVERVIEW:

CAUTION: MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Acute Health Effects: (also see Section of Toxicological Information)

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: Irritating to eyes. May cause burns in the presence of moisture.

Skin: May cause skin irritation. May cause burns in the presence of moisture.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.

Medical Conditions Aggravated by Exposure: Because of its irritating properties, dust may aggravate preexisting skin, eye, and respiratory conditions.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment.

Section 5: First Aid Measures

Specialized First Aid and Medical Treatment Are Required for All Exposures:

Eye Contact: Remove any contact lenses. Flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention.

Skin Contact: Wash with plenty of water and non-abrasive soap. Gently and thoroughly wash the exposed skin with running water and good hand cream should be used after washing. Remove contaminated clothing and shoes. Wash clothing before reuse. Seek medical attention if

irritation develops and persists.

Inhalation: Move to fresh air, get competent medical attention immediately. If breathing has stopped, start artificial respiration at once. An authorized person should administer oxygen to victim who is having difficulty breathing until the victim is able to breathe easily.

Ingestion: Ingestion of this material is unlikely. If it does occur, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Notes to physician: Symptoms may not appear immediately.

Section 6: Fire Fighting Measures

Flammability: Not flammable by Hazardous Materials Identification System (HMIS)/ Occupational Safety and Health Administration (OSHA) criteria.

Suitable Extinguishing Media: Treat for surrounding materials.

Unsuitable Extinguishing Media: Not available.

Fighting Procedures: Apply normal firefighting procedures.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data: Not available.

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and self-contained breathing apparatus (SCBA).

Section 7: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section of Exposure Controls and Personal Protection. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental Precautions: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Pick up large pieces, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container.

Section 8: Handling and Storage

Precautions: Do not breathe dust. Use adequate ventilation and dust collection. Keep Airborne dust concentrations below Permissible Exposure Limit (PEL). Do not rely on your sight to determine if dust is in the air.

Handling: Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating dust. The use of compressed air for cleaning clothing, equipment, etc., is not recommended. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage: Keep out of the reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. Use corrosion-resistant structural materials and lighting and ventilation systems in the storage area.

Section 9: Exposure Controls and Personal Protection

Permissible Exposure Limit: (PEL): Exposures shall not exceed 8 hours time-weighted average.

Substance Name	Total Dust PEL	Respirable Dust PEL
Silica, Crystalline, Quartz	0.15 mg/m ³	0.05 mg/m ³
Portland Cement	15 mg/m ³	5 mg/m ³
Cement, Alumina, Chemicals	Not Available	Not Available
Ethylenevinylacetate Copolymer	Not Available	Not Available
Calcium formate	Not Available	Not Available

For more information refer to US Department of Labor Occupational Safety and Health Administration (OSHA) Permissible Exposure Standards stated in CFR 1910.1000 Permissible Exposure Limits – Annotated Tables Z-3 for Mineral Dusts. For other countries and regions, consult local authorities for permissible exposure limits.

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limit.

Personal Protective Equipment:

Eyes: At a minimum wear approved splash-proof chemical safety goggles or full-face plastic shield.

Skin: Wear suitable gloves and appropriate protective clothing to prevent skin exposure.

Respirators: A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

Section 10: Stability and Reactivity

Chemical Stability	Stable under normal temperature and pressures. Keep dry in storage.
Conditions of Reactivity	Moisture.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will not occur
Corrosivity	Not available
Special Remarks on Reactivity	Not available
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Incompatible Materials	None known.

Section 11: Regulatory Information

This MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200)

USA HMIS	Health Hazard: 2 Flammability Hazard: 0 Physical Hazard: 0 Personal Protection: B
USA NFPA	Health Hazard: 2 Flammability Hazard: 0 Instability Hazard: 0 Special Hazard: None
USA Clean Air Act	None of the chemicals in this product has a reportable quantity. None of the chemicals in this product has a threshold planning quantity.
USA OSHA	This product does not contain any hazardous air pollutants. This product does not contain any class 1 ozone depleting substances. This product does not contain any class 2 ozone depleting substances
WHMIS	Class D2A - Carcinogenicity Class D2A - Chronic Toxic Effects Class D2B - Skin/Eye Irritant

SARA Title III

Ingredient	Section 301-303	Section 304	Section 311-312	Section 313
Silica, crystalline, quartz	Not listed	Not listed	Not listed	Not listed
Portland cement	Not listed	Not listed	Not listed	Not listed
Cement, alumina, chemicals	Not listed	Not listed	Not listed	Not listed
Ethylenevinylacetate copolymer	Not listed	Not listed	Not listed	Not listed
Calcium formate	Not listed	Not listed	Not listed	Not listed

Ingredient	Canada DSL/NDSL	USA TSCA
Silica, crystalline, quartz	DSL	Yes
Portland cement	DSL	Yes
Cement, alumina, chemicals	DSL	Yes
Ethylenevinylacetate copolymer	DSL	Yes
Calcium formate	DSL	Yes

Section 12: Toxicological Information

Effects of Acute Exposure

Component Analysis Ingredient	LD50 (oral)	LC50
Silica, crystalline, quartz	500 mg/kg, rat	Not available.
Portland cement	Not available.	Not available.
Cement, alumina, chemicals	Not available.	Not available.
Ethylenevinylacetate copolymer	Not available.	Not available.
Calcium formate	2650 mg/kg, rat	Not available.

Mutagenicity: Not hazardous by HMIS/OSHA criteria.

Reproductive Effects: Not hazardous by HMIS/OSHA criteria.

Teratogenicity: Not hazardous by HMIS/OSHA criteria.

Embryotoxicity: Not hazardous by HMIS/OSHA criteria.

Respiratory Sensitization: Not hazardous by HMIS/OSHA criteria.

Skin Sensitization: Not hazardous by HMIS/OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 13: Deposal Considerations

Do not dump into any sewers, on the ground, or into any body of water.

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. As the product supplier, we have no control over the management practices of handling, using or disposing this material.

Section 14: Transportation Information

Classification: Not US Department of Transportation controlled material.

Identification: Not available.

Special Provisions for Transportation: Not available.

Section 15: Other Information

References: Not available.

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