



VOIDSPAN

100 & 200 Series

PHL & PHLc Mortar Binders

SAFETY DATA SHEET

Section 1: Product Identification

Trade Name as Labeled: VoidSpan PHL & PHLc Mortar Binders

Generic Name: Pozzolanic Hydraulic Lime Mortar Binders

Manufacturer: InCide® Technologies, Inc.

50 North 41st Avenue

Phoenix, AZ 85009

Phone: 800 777-4569

Emergency Telephone Number

ChemTrec: 800 424-9300

CCN687615

Section 2: Hazard Identification

Emergency Overview: VoidSpan PHL & PHLc Mortar Binders are an odorless white/tan powder. Contact can cause irritation to eyes, skin, respiratory system, and gastrointestinal tract.

GHS Classification

Physical:

Not Classified

Health:

STOST (repeated exposure),
Category 1

Environmental:

Not Classified

GHS Label:



Statements of Hazard

WARNING

Causes damage to lungs through prolonged or repeated exposure by inhalation.

Prevention

Do not breathe dust.

Get medical attention if you feel unwell.

HAZARDS OVERVIEW: This product is a chemically inert, non-combustible mineral. See Section 11 for detailed information. Also see exposure control discussion in Section 8. Avoid creating dust when handling, using or storing. **Use with adequate ventilation to keep exposure below recommended exposure limits.**

Section 3: Composition/Information on Ingredients

CAS#	Component	Percentage	OSHA PEL mg/m ³	ACHIG TLV mg/m ³
1305-62-0	Calcium hydroxide	>23%	5	5
15123-81-6	Aluminosilicate, calcined	>42%	5 respirable 15 total dust	2 respirable
65997-15-1	Hydraulic cement	<14%	15 total dust	10 total dust
N/A	Proprietary ingredients (do not contribute to the classification)			

Section 4: First Aid Measures

Inhalation (Gross): Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Do not induce vomiting. If conscious, have victim drink plenty of water. Consult a physician.

Eye Contact: Immediately wash eyes with water with large amounts of water, lifting the upper and lower lids occasionally. If irritation persists or for imbedded foreign body, get immediate medical attention.

Skin Contact: No first aid should be needed since dermal contact with this product does not affect the skin. Wash exposed skin with soap and water before breaks and at the end of the shift. If irritation persists consult a physician.

Section 5: Fire Fighting Measures

Extinguishing Media: This product will not burn. It is compatible with all extinguishing media. Use any media that is appropriate for the surrounding fire.

Special Fire Fighting Procedures: None with respect to this product. Firefighters should always wear self-contained breathing apparatus for fires, particularly for those indoors or in confined areas.

Unusual Fire and Explosion Hazards: None known.

Hazardous Combustion Products: None known.

Section 6: Accidental Release Measures

Spill / Leak Procedures: Do not use water on bulk material spills. Use personal protective equipment recommended in Section 8.

Small Spills: Use dry methods to collect spilled materials. Avoid generating dust. Do not clean up with compressed air. Store collected materials in dry, sealed plastic or non-aluminum metal containers. Residue on surfaces may be water washed.

Large Spills: Use dry methods to collect spilled materials. Evacuate area downwind of clean-up operations to minimize dust exposure. Store spilled materials in dry, sealed plastic or non-aluminum metal containers.

Containment: Minimize dust generation and prevent bulk release to sewers or waterways.

Clean-up: Residual amounts of material can be flushed with large amounts of water. Equipment can be washed with either a mild vinegar and water solution, or detergent and water. Waste disposal: see Section 13.

Section 7: Handling and Storage

Handling: Do not breathe dust. Use normal precautions against bag breakage or spills of bulk material. Use proper work practices and adequate ventilation with dust collection. Refer to Section 8 for additional information on personal protective equipment.

Storage: Use good housekeeping in storage and use areas to prevent accumulation of dust in work areas. Product is not reactive under normal conditions. Note: product is incompatible with strong oxidizers. The OSHA Hazard Communication Standard 29 CFR §1910.1200 and state and local worker or community "Right to Know" laws and regulations should be strictly followed, which includes training employees on the content of this MSDS. Warn your employees by posting and other means of the potential health risks associated with use of this product and train them in the appropriate personal protective equipment, work practices, and engineering controls which will reduce their risk of exposure.

Section 8: Exposure Control/Personal Protection

Local Exhaust: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels of dust.

Eye Protection: Direct contact with product may result in eye irritation. Wear appropriate protective eyeglasses or chemical safety goggles where particles could cause injury to the eye.

Skin Protection: Prolonged contact with product may cause skin irritation. Not likely to be absorbed into the skin. Good personal hygiene practices should be followed including cleansing of exposed skin with soap and water, and laundering work clothing that has become dusty.

Respiratory Protection: Use a NIOSH-approved air purifying or supplied-air respirator if exposure limits are exceeded. Appropriate respiratory protection is based on the airborne exposure concentration and duration of exposure for the particular use of the respirator. A respiratory protection program in accordance with OSHA Standard 29 CFR §1910.134 must be implemented whenever workplace conditions warrant use of a respirator. ANSI Standard Z88.2 (recent revision) "American National Standard for Respiratory Protection" should also be considered. All tight-fitting respirators must be fit-tested for each user. NIOSH recommends the use of respirator protection when effective engineering controls are not feasible, or while they are being installed to control workplace exposures.

Section 9: Physical and Chemical Properties

Appearance: White to tan, granular

pH: Dry: not applicable; wet: 13

Specific Gravity (water = 1): Approx. 0.50 (loose)

Solubility in Water: Insoluble

Vapor Density: Not applicable

Vapor Pressure: Not applicable

Viscosity: Not applicable

Odor: Odorless

Melting Point: Not applicable

Evaporation Rate: None

Boiling Point: Not applicable

Autoignition Temp: Will not burn

Flammable Limits (LEL/UEL): Not applicable

Decomposition temperature: Not applicable

Section 10: Stability and Reactivity

Stability: Stable under normal handling and storage conditions.

Hazardous Polymerization: Will not occur.

Chemical Incompatibility: Wet products are alkaline. As such it is incompatible with acids, ammonium salts and phosphorus.

Conditions to avoid: Unintentional contact with water

Hazardous Decomposition Products: Will not spontaneously form. Adding water produces (caustic) calcium hydroxide.

Section 11: Toxicological Information

Skin Contact: No adverse effects expected.

Eye Contact: Contact may cause mechanical irritation and possible injury.

Ingestion: No adverse effects expected for normal, incidental ingestion.

Calcium hydroxide: LD50 oral mouse 7,300 mg/kg

Aluminosilicate, calcined: LD50 oral rat >5000 mg/kg

Hydraulic cement: Internal discomfort is only possible if large quantities are swallowed.

Inhalation: Exposure to dust may cause mucous membrane and respiratory irritation, cough, sore throat, nasal congestion, sneezing and shortness of breath. Individuals with respiratory disease, including but not limited to asthma and bronchitis, or subject to eye irritation, should not be exposed to respirable dust.

Section 12: Ecological Information

This product is not expected to present an environmental hazard.

Calcium Hydroxide: Not reported. Because of the high pH, it would only be expected to produce ecotoxicity upon exposure to aquatic organisms and aquatic systems in high concentrations (>1g/L).

Aluminosilicate, calcined: Not reported

Hydraulic cement: Not reported

Section 13: Disposal Considerations

General: If uncontaminated, dispose as an inert, non-metallic mineral. If contaminated, dispose in accordance with all applicable local, state/provincial and federal regulations in light of the contamination present. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material, and to determine the proper waste identification and disposal in compliance with applicable regulations.

RCRA: This product as sold by VoidSpan is not classified as hazardous waste under the Resource Conservation and Recovery Act (RCRA), or its regulations, 40 CFR §261 et seq.

Section 14: Transport Information

Not regulated for transportation under the U.S. DOT, Canadian TDG, IMDG, or IATA Regulations.

Section 15: Regulatory Information

TSCA: Exempt from reporting under the inventory update rule.

CERCLA Section 103 Reportable Quantity: None

SARA 311/312: Hazard Categories for SARA Section 311/312 Reporting: chronic health

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SARA 313: This product contains no chemicals that are subject to Annual Release Reporting Requirements under SARA Section 313 (40 CFR 372).

Clean Air Act: This product was not processed with or does not contain any Class I or Class II ozone depleting substances.

Clean Water Act: Components are not listed as hazardous substances in Section 311.

National, state, provincial or local emergency planning, community right-to-know or other laws, regulations or ordinances may be applicable--consult applicable national, state, provincial or local laws.

Section 16: Other Information

NFPA Hazard Rating: Health: 1 Fire: 0 Reactivity: 0

HMIS Hazard Rating: Health: * Fire: 0 Reactivity: 0

*Warning – Chronic health effect possible. Take appropriate measures to avoid breathing dust. See Section 8.

User's Responsibility: The OSHA Hazard Communication Standard 29 CFR 1910.1200 requires that this Safety Data Sheet be made available to your employees who handle or may be exposed to this product. Educate and train your employees regarding applicable precautions. Instruct your employees to handle this product properly.

Disclaimer: The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for one's own particular use. Since the actual use of the product described herein is beyond our control, VoidSpan assumes no liability arising out of the use of the product by others. Appropriate warnings and safe handling procedures should be provided to handlers and users.