

# Safety Data Sheet

K152

## SECTION I - PRODUCT IDENTIFICATION

Trade Name: **Thinpave Cement**  
Product Code: 1190489  
Manufacturer: Metalcrete Industries  
4133 Payne Avenue  
Cleveland, Ohio 44103  
Recommended Use: Concrete Repair Mortar  
Telephone: 1-440-526-5600  
Emergency Phone: 1-800-633-8253

## SECTION 2 – HAZARDS IDENTIFICATION

Physical hazards: Not classified.  
Health hazards: Skin Corrosion / Irritation Category 2  
Serious Eye Damage / Irritation Category 1  
Skin Sensitization Category 1B  
Carcinogenicity Category 1A  
Target Organ Systemic Toxicity Category 3 Respiratory Irritation

Label elements:



Signal word: Danger  
Hazard statement: Causes skin irritation. Causes eye irritation. May cause allergic skin reaction. May cause respiratory irritation. May cause cancer. Causes damage to lungs through prolonged or repeated inhalation.

Precautionary statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If exposed or concerned: Get medical advice/attention. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

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**SECTION 3 – PRODUCT COMPOSITION**

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<b>Chemical Name</b>	<b>CAS Number</b>	<b>Percentage</b>
Crystalline Silica	14808-60-7	50.0 – 80.0
Portland Cement	65997-15-1	20.0 – 50.0

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**SECTION 4 – FIRST AID MEASURES**

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Eyes:	Flush eyes with water for at 15 minutes immediately after exposure. Contact a medical professional.
Ingestion:	Do not induce vomiting. If ingested, contact a physician or poison control center immediately.
Inhalation:	Leave area to avoid dust and breathe fresh air. Seek medical attention is respiratory irritation persists.
Skin:	Wash skin with soap and water. If skin irritation or rash develops, seek medical attention.

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**SECTION 5 – FIRE-FIGHTING MEASURES**

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Flash point:	No information available.
Autoignition temperature:	No information available.
Flammable limits in air - Lower (%):	No information available.
Flammable limits in air - Upper (%):	No information available.
Suitable extinguishing media:	This material is non-combustible. Use extinguishing media appropriate to the surrounding area.
Protective equipment for firefighters:	Protective clothing and approved breathing apparatus consistent with normal firefighting professionals and procedures.
Firefighting measures:	This material is not expected to burn.

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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Avoid creating excessive dust. Dampen material with water to control dusting. Sweep up and transfer into an appropriate container for disposal. Dispose of this material in accordance with federal, state and local regulations. Do not put down sink as slurry material may plug drains.

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**SECTION 7 – HANDLING AND STORAGE**

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Material should be stored in a cool, dry location in a sealed container. When handling this material, avoid inhaling dust and avoid contact with eyes and skin. The use of respirators, goggles, and gloves are recommended protective handling equipment.

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**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**PERSONAL PROTECTION EQUIPMENT**

Eye protection:	Wear appropriate eye protection such as safety goggles or face shields. Avoid contact eyes and face while handling this material. If eyes become contaminated, use eye wash station.
Respiratory protection:	Wear appropriate NIOSH approved dust respirator when airborne dust levels exceed threshold limit value as indicated on manufacturer's SDS.
Skin protection:	Wear impervious protective gloves. In addition to protecting hands, make sure suitable protective clothing is worn by material handlers to prevent skin irritation elsewhere on body.
Engineering Controls:	This material should be used in well ventilated areas. Mechanical and local exhausts should be used in poorly ventilated areas.

## EXPOSURE LIMITS

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Chemical Name	CAS Number	Regulation	Limit
Crystalline Silica	14808-60-7	OSHA TWA	0.1 mg/m <sup>3</sup> Respirable
		OSHA TWA	0.3 mg/m <sup>3</sup> Total Dust
		ACGIH TWA	0.025 mg/m <sup>3</sup> Respirable Fraction
Portland Cement	65997-15-1	OSHA PEL	5.0 mg/m <sup>3</sup> Respirable Fraction
		OSHA PEL	15 mg/m <sup>3</sup> Total Dust
		ACGIH TWA	10 mg/m <sup>3</sup>

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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Form:	Powder
Color:	Gray
Odor:	Odorless
pH:	Approximately 12
Specific gravity:	2.7
Solubility in water:	Not soluble.

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## SECTION 10 – STABILITY AND REACTIVITY

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Stability:	This material is stable under recommended storage, usage, and handling procedures.
Hazardous Reactions:	Will not occur under normal conditions.
Non-Hazardous Reactions:	This material becomes hard when exposed to water.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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### TOXICOLOGICAL OVERVIEW

Thinpave Cement is a gray powder material. Dust in air may irritate respiratory tract and eyes. Do not breathe in dust. Use a respirator while using this product. If overexposed to dust, leave the area immediately to breathe fresh air.

### ACUTE HEALTH EFFECTS OF EXPOSURE & ROUTES OF EXPOSURE

Eyes:	Dust may cause eye irritation and abrasion. Flush eyes with water immediately after. Exposure to avoid irritation and possible chemical burns.
Ingestion:	Digesting this material may cause irritation to the mouth, throat, and digestive tract. If ingested, contact your primary care physician immediately.
Inhalation:	Do not breathe in dust. Dust may irritate nose, mouth, and respiratory tract.
Skin:	This material may cause skin irritation. Exposure to the skin may cause cracking, dryness, irritation, or possible chemical burns. Wet portland cement and alkaline contents can cause inflammation of skin.

### CHRONIC HEALTH EFFECTS OF EXPOSURE

Prolonged and repeated exposure to free crystalline silica quartz has been evaluated by IARC as having sufficient evidence of producing cancer in laboratory animals and humans (Group 1). Silicosis may result from breathing in free silica. Avoid prolonged and repeated exposure to this material.

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## SECTION 12 – ECOLOGICAL INFORMATION

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This product is not expected to be hazardous to the environment; however release of this product into surface waters or other natural ecosystems should be avoided.

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**SECTION 13 – DISPOSAL CONSIDERATION**

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Material disposal method: Disposal of this material should comply with federal, state, and local regulations. Do not discharge into drains or groundwater runoff.

Container disposal method: Disposal of this material's packaging should comply with federal, state, and local regulations.

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**SECTION 14 – TRANSPORT INFORMATION**

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USDOT: NOT REGULATED, NON-HAZARDOUS

NMFC: Class 50

Commodity: Hydraulic Cement

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**SECTION 15 – REGULATORY INFORMATION**

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FEDERAL REGULATIONS

SARA 311/312: Hazard Categories for SARA 311/312 Reporting: Yes

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

TSCA Registration: All components are either listed or exempt from the Toxic Substance Control Act inventory.

OSHA Regulations: This product is not a substance specifically regulated by OSHA (29 CFR 1910.1001-1050). This product contains "Hazardous Chemicals" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

STATE REGULATIONS

State RTK	Chemical Name	CAS Number
MA, NJ, PA	Crystalline Silica	14808-60-7
MA, NJ, PA	Portland Cement	65997-15-1

CA PROPISITION 65: This material contains chemicals to cause cancer, birth defects, and/or other reproductive harm.

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**SECTION 16 – OTHER INFORMATION**

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HMIS Rating	
Health	1
Flammability	0
Physical Hazard	0

0 = Essentially no danger  
1 = Slight danger  
2 = Moderate danger  
3 = Serious danger  
4 = Extreme danger

*Further consideration: Some components of Thinpave Cement are considered hazardous by OSHA's Standards but Thinpave Cement is generally considered a safe material for routine use. When Thinpave Cement is used responsibly it is not considered a dangerous material. Components of Thinpave Cement are used to make concrete floors, roads, bridges, buildings, and other infrastructure around the world that we intimately use every day.*

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## Safety Data Sheet

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### SECTION I - PRODUCT IDENTIFICATION

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Trade Name: **Acrylpave - Thinpave Mixing Liquid**  
Product Code: 1210121  
Manufacturer: Metalcrete Industries  
4133 Payne Avenue  
Cleveland, Ohio 44103  
Recommended Use: Acrylic Latex Bonding Agent  
Telephone: 1-440-526-5600  
Emergency Phone: 1-800-633-8253

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### SECTION 2 – HAZARDS IDENTIFICATION

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Physical hazards: Not classified.  
Health hazards: Mild Eye Irritation Category 2B

Label elements:



Signal word: Warning  
Hazard statement: Causes eye irritation.

Precautionary statements:

Prevention: Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection.

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If inhaled: Call a poison center or doctor if you feel unwell. If swallowed: Do not induce vomiting. Call a poison center or doctor if you feel unwell.

Storage: Store in a closed container.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Percentage</b>
Water	7732-18-5	40.0 – 65.0
Acrylic Polymer Emulsion	Mixture	35.0 – 60.0

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**SECTION 4 – FIRST AID MEASURES**

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Eyes:	Flush eyes with water for at 15 minutes immediately after exposure. Contact a medical professional.
Ingestion:	Do not induce vomiting. If ingested, contact a physician or poison control center immediately.
Inhalation:	Leave area to breathe fresh air. Seek medical attention is respiratory irritation occurs.
Skin:	Wash skin with soap and water. If skin irritation or rash develops, seek medical attention.

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**SECTION 5 – FIRE-FIGHTING MEASURES**

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Flash point:	No information available.
Autoignition temperature:	No information available.
Flammable limits in air - Lower (%):	No information available.
Flammable limits in air - Upper (%):	No information available.
Suitable extinguishing media:	This material is non-combustible. Use extinguishing media appropriate to the surrounding area.
Protective equipment for firefighters:	Protective clothing and approved breathing apparatus consistent with normal firefighting professionals and procedures.
Firefighting measures:	This material is not expected to burn.

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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Avoid spilling the material. Upon a liquid spill, dike the spill by using an inert absorbent material. Sweep up and transfer into an appropriate container for disposal. Dispose of this material in accordance with federal, state and local regulations.

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**SECTION 7 – HANDLING AND STORAGE**

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Material should be stored in a well ventilated, dry location in a sealed container. When handling this material, avoid excess inhalation and avoid contact with eyes and skin. Respirators, goggles, and gloves can be used while handling this product. This material should be kept from freezing.

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**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**PERSONAL PROTECTION EQUIPMENT**

Eye protection:	Wear appropriate eye protection such as safety goggles or face shields. Avoid contact eyes and face while handling this material. If eyes become contaminated, use eye wash station.
Respiratory protection:	Respiratory protection is not required when using this product for its intended purpose. If respiratory protection is desired or proper ventilation is not adequate, wear appropriate NIOSH approved vapor respirator.
Skin protection:	Wear impervious protective gloves. In addition to protecting hands, make sure suitable protective clothing is worn by material handlers to prevent skin irritation elsewhere on body.
Engineering Controls:	Mechanical and local exhausts should be used in poorly ventilated areas.

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**EXPOSURE LIMITS**

Exposure limits have not been established.

Form:	Liquid
Color:	White, Milky
Odor:	Slight Ammonia
pH:	Approximately 9
Specific gravity:	1.06
Solubility in water:	Soluble
Percent volatile:	75%
Vapor density:	Same as water
Boiling point:	212°F , 100°C

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**SECTION 10 – STABILITY AND REACTIVITY**

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Stability:	This material is stable under recommended storage, usage, and handling procedures.
Hazardous Reactions:	Will not occur under normal conditions.
Non-Hazardous Reactions:	No information available.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

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TOXICOLOGICAL OVERVIEW

Acrylpave is a white liquid. This material is non-hazardous with no serious effects when used properly. If slight odor is bothersome, leave the area immediately to breathe fresh air. In case of eye contact, flush with water and consult a physician. Wash skin thoroughly after handling.

ACUTE HEALTH EFFECTS OF EXPOSURE & ROUTES OF EXPOSURE

Eyes:	Direct eye contact may cause mild irritation.
Ingestion:	Digesting this material may cause irritation to the mouth, throat, and digestive tract. If ingested, contact your primary care physician immediately.
Inhalation:	No severe effects when this product is used properly.
Skin:	This material may cause skin irritation.

CHRONIC HEALTH EFFECTS OF EXPOSURE

Not expected under normal conditions of use.

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**SECTION 12 – ECOLOGICAL INFORMATION**

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This product is not expected to be hazardous to the environment; however release of this product into surface waters or other natural ecosystems should be avoided.

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**SECTION 13 – DISPOSAL CONSIDERATION**

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Material disposal method:	Disposal of this material should comply with federal, state, and local regulations. Do not discharge into drains or groundwater runoff.
Container disposal method:	Disposal of this material's packaging should comply with federal, state, and local regulations.

USDOT: NOT REGULATED, NON-HAZARDOUS  
 NMFC: Class 60  
 Commodity: Plastic Materials, Liquid NOI

## SECTION 15 – REGULATORY INFORMATION

FEDERAL REGULATIONS

SARA 311/312: Hazard Categories for SARA 311/312 Reporting: Acute irritation.  
 SARA 313: This product contains no chemicals that are subject to Annual Release Reporting Requirements under SARA Section 313 (40 CFR 372)  
 TSCA Registration: All components are either listed or exempt from the Toxic Substance Control Act inventory.  
 OSHA Regulations: This product is not a substance specifically regulated by OSHA (29 CFR 1910.1001-1050).

STATE REGULATIONS

State RTK	Chemical Name	CAS Number
MA, NJ, PA	Water	7732-18-5
MA, NJ, PA	Acrylic Polymer Emulsion	Mixture

## SECTION 16 – OTHER INFORMATION

HMIS Rating	
Health	1
Flammability	0
Physical Hazard	0

0 = Essentially no danger  
 1 = Slight danger  
 2 = Moderate danger  
 3 = Serious danger  
 4 = Extreme danger

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