



Concrete Bonding Adhesive

MATERIAL SAFETY DATA SHEET

(Complies with OSHA 29 CFR 1910.1200)

SECTION I - PRODUCT IDENTIFICATION

PakMix, Inc.
618 S 223rd Street
Suite #3
Des Moines, WA 98198

Emergency Phone Number
800-272-5649

Information Telephone Number:
800-272-5649

Revision: Dec-09

PakMix® Product Name

PakMix® Concrete Glue

SECTION II - HAZARD IDENTIFICATION

Route(s) of Entry: Inhalation, Ingestion

Acute Exposure: None known.

Chronic Exposure: Repeated or prolonged skin contact may result in mild irritation. Vapor may be an irritant to the respiratory tract. Ingestion may cause irritation to the gastrointestinal tract.

Carcinogenicity: Not Applicable.

Signs and Symptoms of Exposure: None known.

Medical Conditions Generally Aggravated by Exposure: None known.

Chronic Exposure: None known.

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS No.	PEL(OSHA) mg/M ³	TLV(ACGIH) mg/M ³
Vinyl Acetate Ethylene Co-polymer	Not Hazardous		
Vinyl Alcohol Polymer	Not Hazardous		

SECTION IV - FIRST AID MEASURES

Eyes: Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids. Call physician immediately.

Skin: Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists. Seek immediate medical treatment in the event of burns.

Inhalation: Remove person to fresh air. Seek medical help if irritation persists.

Ingestion: Treat symptomatically and supportively. Get medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flammability: Noncombustible and not explosive.

Auto-ignition Temperature: Not Applicable.

Flash Points: >212°F

Extinguishing Media: Water fog; Foam; CO₂; Dry Chemical

Special Firefighting Procedures: Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

Fire & Explosion Hazards: This is a water based product and presents no particular fire or explosion hazard. Dry polymer film will burn. Product contains low level of organic volatiles which may be emitted at elevated temperatures.

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, unknown hydrocarbons.

Lower Explosion Limit (%): Not Applicable.

Upper Explosion Limit (%): Not Applicable.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Absorb spillages onto sand, earth or any suitable absorbent material. Sweep up and shovel into waste drums. Wash the spillage area with water. Washings must be prevented from entering surface water drains. Disposal should be in accordance with local, state and federal guidelines.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Storage Temperature: 40 - 100°F

Handling and Storage: Avoid extreme temperatures. Protect from freezing. This material should not be spilled, discharged, or flushed into sewers or public waterways. Product contains low level of organic volatiles which could accumulate in the un-vented headspace of drums or bulk storage vessels. Open drums in well-ventilated area, avoid breathing vapors.

SECTION VIII - EXPOSURE CONTROL MEASURES

Engineering Controls: General.

Personal Protection: Wear safety glasses with side shields. Protect against splashing. The use of chemically resistant gloves is recommended. Clothing protection should be worn. Rubber boots and apron should be worn if exposure is severe. Remove contaminated clothing and launder before reuse.

Exposure Limits: Consult local authorities for acceptable exposure limits.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance:	Milky white liquid	Vapor Density:	<1(water)
Boiling Point:	>212°F (100°C)	Evaporation Rate:	<1(water)
Specific Gravity:	1.0 to 1.2	Melting Point:	>32°F (0°C)
Vapor Pressure:	17 mm Hg @ 68°F(20°C)	Volatiles:	Approx. 22%
Volatile Organic Compounds:	<3g/L		
Odor:	vinyl acetate odor		
Solubility in Water:	Water miscible. Dilution with water generally will lower dispersion stability.		

SECTION X - REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to Avoid): Strong oxidizers, materials that react with water.

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Protect from temperatures below 40°F to preserve product.

SECTION XI - TOXICOLOGICAL INFORMATION

Route of Entry: Inhalation, ingestion.

Toxicity to Animals: LD50 : Not available LC50: Not available

Chronic Effects on Humans: Not established.

Special Remarks on Toxicity: Not likely to cause harmful effects under recommended conditions of handling and use.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Not available

BOD5 and COD: Not available

Products of Biodegradation: Not available

Toxicity of the Products of Biodegradation: Not available

Special Remarks on the Products of Biodegradation: Ingress to waterways may cause persistent milky turbidity.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose according to Federal, State and Local regulations.

This product is not classified as a hazardous waste under the authority of the RCRA (40CFR261) or CERCLA (40CFR 117 & 302).

SECTION XIV - TRANSPORTATION INFORMATION

Non-Hazardous under U.S. DOT and TDG Regulations

SECTION XV - OTHER REGULATORY INFORMATION

SARA (Title III) Section 313: Not subject to reporting requirements

TSCA (May 1997): All components are on the TSCA inventory list

Federal Hazardous Substances Act: Is a hazardous substance subject to statutes promulgated under the subject act.

Canadian Environmental Protection Act: Not listed

Canadian WHMIS: Considered to be a hazardous material under Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of Health Canada's Workplace Hazardous Material Information (WHMIS). This product has been classified

according to the hazard criteria of the Controlled Products Regulation (CPR). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

SECTION XVI - OTHER INFORMATION

Abbreviations:

ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
CFR	Code of Federal Regulations
CPR	Controlled Products Regulations (Canada)
DOT	Department of Transportation
IARC	International Agency for Research
MSHA	Mine Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicity Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TWA	Time-weighted Average
WHMIS	Workplace Hazardous Material Information System

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