



Acrylic Fortifier

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® Cement Fortifier

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
Acrylic Polymer - may contain Ammonia	7664-41-7	35	18

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.

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.

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. Polymer may be separated from water by addition of alum and ferric chloride. Disposal should be in accordance with local, state or federal regulations.

NOTE: Spilled emulsion is very slippery. Use care to avoid falls. Latex will leave a film on drying. Remove saturated clothing and wash contacted skin area with soap and water.

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. Consult local authorities for acceptable exposure limits.

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 laundry before reuse.

Exposure Limits: Consult local authorities for acceptable exposure limits.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance:	Milky white liquid		
Boiling Point:	>212°F (100°C)	pH:	9.5-10.0
Viscosity:	50 cps max.	Melting Point:	32°F (0°C) water
Odor:	Slight ammonia odor		
Solubility in Water:	Dilutable		

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: For large quantities, place in settling pond and add ferric chloride and lime. Decant water. Dispose of solids in landfill. Emulsion can be incinerated directly under appropriate conditions. Disposal should be in accordance with local, state or federal 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

NOTE: The information and recommendations contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. PakMix Inc. Assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.
