QUIKRETE®
CEMENT & CONCRETE PRODUCTS™

ACRYLIC FORTIFIER

MATERIAL SAFETY DATA SHEET
(Complies with OSHA 29 CFR 1910.1200)

SECTION I: PRODUCT IDENTIFICATION

The QUIKRETE® Companies
One Securities Centre
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Emergency Telephone Number
(770) 216-9580

Information Telephone Number
(770) 216-9580

MSDS H1
Revision: Feb-10

QUIKRETE® Product Name	Code #
CONCRETE ACRYLIC FORTIFIER	8610
CONCRETE ACRYLIC FORTIFIER, CONCENTRATED	8611

PRODUCT USE: LATEX ADDITIVE FOR MODIFYING PORTLAND CEMENT-BASED PRODUCTS

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 NO 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 national legislation.
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 areas with soap and water.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Storage Temperature: 40 – 100^{o}F
Handling/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 launder before reuse.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Physical appearance:	Milky white liquid		
Solubility in Water:	Dilutable	**Odor:**	slight ammonia odor
Viscosity:	50 cps max.	**Melting point**:	32° F water
Boiling point:	~100°C/212°F	**pH**	9.5-10.0

SECTION X - REACTIVITY DATA

Stability: Stable.
Incompatibility (Materials to Avoid): Strong oxidizers, materials that react with water
Hazardous Decomposition or By-products: None
Hazardous Polymerization: Will Not Occur.
Condition to Avoid: Protect from temperatures below 40^{o}F to preserve product utility.

SECTION XI – TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Ingestion
Toxicity to Animals:
LD50: Not Available
LC50: Not Available
Chronic Effects on Humans: Not established
Special Remarks on Toxicity: Unlikely 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 national legislation. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302).

SECTION XIV – TRANSPORT INFORMATION

DOT/UN Shipping Name: Non-regulated
DOT Hazard Class: Non-regulated
Shipping Name: Non-regulated
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 statues promulgated under the subject act
Canadian Environmental Protection Act: Not listed
Canadian WHMIS: Considered to be a hazardous material under the 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

HMIS-III:

Health –
0 = No significant health risk
1 = Irritation or minor reversible injury possible
2 = Temporary or minor injury possible
3 = Major injury possible unless prompt action is taken
4 = Life threatening, major or permanent damage possible

Flammability-
0 = Material will not burn
1 = Material must be preheated before ignition will occur
2 = Material must be exposed to high temperatures before ignition
3 = Material capable of ignition under normal temperatures
4 = Flammable gases or very volatile liquids; may ignite spontaneously

Physical Hazard-
0 = Material is normally stable, even under fire conditions
1 = Material normally stable but may become unstable at high temps
2 = Materials that are unstable and may undergo react at room temp
3 = Materials that may form explosive mixtures with water
4 = Materials that are readily capable of explosive water reaction

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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