

CONCRETE BONDING ADHESIVE

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

SECTION I: PRODUCT IDENTIFICATION

The QUIKRETE® Companies
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Emergency Telephone Number
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Information Telephone Number
(770) 216-9580

MSDS A1
Revision: Aug-11

QUIKRETE® Product Name
CONCRETE BONDING ADHESIVE

Code #
9902

HEALTH			1
FLAMMABILITY			0
PHYSICAL HAZARD			0
PERSONAL PROTECTION Safety Glasses, Gloves			

Product Use: Liquid bonding agent for bonding new concrete to old concrete

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.

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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 Point: > 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 or national legislation.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Storage Temperature: 40 – 100°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.

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.

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Appearance:	Milky white liquid	Specific Gravity:	1.0 to 1.2
Melting Point:	32°F (0°C)	Boiling Point:	>212°F (100°C)
Vapor Pressure:	17 mm Hg @ 68°F (20°C)	Vapor Density:	<1(water)
Odor:	vinyl acetate odor	VOC:	1.1 g/L
Evaporation Rate:	<1(water)		
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 By-products: None

Hazardous Polymerization: Will Not Occur.

Condition to Avoid: Protect from temperatures below 40°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: 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

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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 the Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of 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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