

Concrete Coatings

SAFETY DATA SHEET (Complies with OSHA 29 CFR 1910.1200)

SECTION I: PRODUCT IDENTIFICATION

The QUIKRETE[®] Companies One Securities Centre 3490 Piedmont Road, Suite 1300 Atlanta, GA 30305

Emergency Telephone Number (770) 216-9580 Information Telephone Number (770) 216-9580

MSDS H5B Revision: Mar-14

QUIKRETE® Product NameCode #QUIKRETE® 2-Part Epoxy Kit Garage Floor Coating – Part B (Resin)0703-57

Product Use: Chemical coatings for concrete

SECTION II - HAZARD IDENTIFICATION

Signal word Caution Hazard-determining components of labeling: Bisphenol f-epichlorohydrin polymer; 2-Propoxyethanol Classification of the substance or mixture

Classification of the substance or mixture



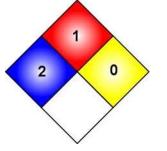
HE16 Irritation - Eyes & Skin - Mild

Classification system:

The classification was made according to the latest editions of international substances lists defined by the Globally Harmonized System, and expanded upon from company and literature data



NFPA Ratings (Scale 0-4)



HMIS3: Health = 1, Fire = 0, Reactivity = 0; PPE = G

Precautionary statements

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye
protection/face protection.
IF ON SKIN (or hair): Remove/Take off immediately all
contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Dispose of contents/container in accordance with local/regional/national/ international regulation

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION					
Chemical Name	Wt.%	CAS	EINECS		
Bisphenol a-epichlorohydrin polymer	70 - 80	25068-38-6	500-033-5		
Bisphenol f-epichlorohydrin polymer	15 - 20	28064-14-4			
Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivs.	5 - 10	68609-97-2	271-846-8		
2-Propoxyethanol	< 5	2807-30-9	220-548-6		

COMMENTS: Criteria for listing components in this MSDS are as follows: Carcinogens are listed at 0.1% or greater; hazardous components according to OSHA 29 CFR 1910.1200 are listed at 1.0% or greater; non-hazardous components are not listed. This is not intended to be the complete compositional disclosure. Refer to section 15 for other regulatory information.



SECTION IV – First Aid Measures

EYES: Immediately flush with plenty of water for two minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Have eyes examined and tested by medical personnel.

SKIN: Remove contaminated clothing and immediately wash affected skin area with plenty of soap and water. Seek medical attention. Either discard or wash contaminated clothing and shoes before reuse.

INGESTION: Make sure victim is conscious and alert. If so, give 2-3 glasses of water to dilute. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Immediate medical attention is required. Do not leave victim unattended as spontaneous vomiting may occur. Lay victim on side with head lower than waist to prevent aspiration of swallowed product. If victim is conscious and vomiting occurs, give water to further dilute the chemical.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. Seek medical attention if cough or other symptoms develop.

ADDITIONAL INFORMATION: Seek medical advice and/or treatment. If breathing is irregular or stopped, administer artificial respiration and call 911.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD: > 190.5°C (375°F) Pensky-Martens CC Notes: ESTIMATED

FLAMMABLE CLASS: Not Applicable

GENERAL HAZARD: Evacuate personnel upwind of a fire to avoid inhalation of irritating and/or harmful fumes and smoke.

EXTINGUISHING MEDIA: Dry Chemical, Foam, or Carbon Dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop spill or leak and to disperse vapors.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure demand, (AS/NZS 1715 and AS/NZS 1716 approved or equivalent) and full protective gear. Toxic vapors may evolve. Fight fires from a safe distance or protected areas. Use of large volumes of water may produce run-off that could be toxic to wildlife and/or pose a hazardous waste disposal issue. Water may not be effective for large fires.



FIRE FIGHTING EQUIPMENT: Fire fighting personnel are required to use respiratory and eye protection. Full fire protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) is recommended to be used for all indoor fires and any significant outdoor fires. SCBA may not be required for small outdoor fires that may easily be extinguished with a portable fire extinguisher.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Nitrogen, Oxides of Carbon.

SECTION VI – ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as diatomaceous earth, sawdust, vermiculite, or any appropriate readily available material and sweep or shovel absorbed material into closed containers for disposal. After all visible traces, including ignitible vapors, have been removed thoroughly wash the contaminated area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Wear the appropriate personal protective equipment designated in Section 8, remove the leaking container to a containment area and place into an appropriate container to prevent any further spill.

LARGE SPILL: Construct temporary dikes of dirt or sand to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as diatomaceous earth, sawdust, vermiculite, or any appropriate readily available material and sweep or shovel adsorbed material into closed containers for disposal. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

Wear the appropriate personal protective equipment designated in Section 8, close or cap leaking valves and/or block or plug hole in leaking container. Remove the leaking containers to a containment area and place into an appropriate container to prevent any further spill.

Contain material as described above and call the local fire, police, or appropriate emergency response provider for immediate emergency assistance.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of material into sources of water.

GENERAL PROCEDURES: Absorb spill with an emergency spill kit, diatomaceous earth, saw dust or equivalent inert material. Shovel up and dispose of at an appropriate waste disposal facility following applicable laws and regulations.

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Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

GENERAL PROCEDURES: Store product in original containers. Store in a cool, dry, and well ventilated area.

HANDLING: Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Avoid breathing in vapors, mists, and aerosols. Do not allow product to contact open flame or electrical heating elements because dangerous decomposition products may form.

STORAGE: Store and warehouse product in an appropriate area or facility. Segregate like materials together to avoid negative chemical reactions. Protect materials form excessive exposure to heat. Observe proper storage conditions and temperatures.

SECTION VIII – EXPOSURE CONTROL MEASURES

Components with limit values that require monitoring at the workplace:

2-Propoxyethanol Supplier OEL TWA 20 ppm STEL 60 ppm

Additional information: The lists that were valid during the creation were used as basis.

ENGINEERING CONTROLS: Proper industrial hygiene practices are required for workers and should be achieved though engineering controls including ventilation with a high turn over rate whenever feasible. When such controls are not available or not feasible to achieve full protection, respirators for workers (and others in the area) and other personal protective equipment is mandated. Exhaust air may need to be scrubbed (cleaned) or filtered to reduce environmental contamination and odors.

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.



Personal protective equipment

Hand Protection:



Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl rubber and neoprene gloves have been found to offer adequate protection for incidental contact.

Eye protection:



Respiratory Protection:



For respirator selection and training, seek professional advice. Whenever workplace conditions require a use of a respirator, follow a respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements. Wear an OSHA/NIOSH approved respirator selected on its suitability to provide adequate worker protection for the chemicals used and given working conditions including the level of airborne contamination and presence of sufficient oxygen.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Physical State: Odor: Appearance: Vapor Pressure: Flashpoint & Method: Notes: ESTIMATED Specific Gravity: Viscosity #1: Volatile Organic Content:

Liquid Light musty to no odor. Clear straw colored liquid. Heavier than air. > 190.5°C (375°F) Pensky-Martens CC 9.610 lb./gal. at 25°C (74°F) 2000 to 5000 cPs at 25°C (74°F) Brookfield < 17.0 g/l Calculated

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Notes: VOC listed on the MSDS is for this component only. Final mixed product VOC less than 50 g/L of coating less water and less exempt compounds; Meets VOC requirements in all locations; Do not thin.

SECTION X - REACTIVITY DATA

Stable: Yes

Hazardous Polymerization: No

Stability: This material (product) is stable under normal ambient conditions of temperature and pressure. Follow recommendations for proper storage and use.

Conditions to Avoid: Avoid contact with strong acids or caustics.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes. Incompatible Materials: Oxidizing agents.

SECTION XI – TOXICOLOGICAL INFORMATION

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ACUTE Chemical Name

Chemical Name			INHALATION LC ₅₀
	(rat)	(rat)	(rabbit)
Bisphenol f-epichlorohydrin polyme	r > 2000 mg/kg	> 2000 mg/kg	
2-Propoxyethanol	3089 mg/kg	960 mg/kg	2040 mg/l
NOTES: LD ₅₀ data is not available f	or this product. Tox	icity of this product may	y be attributed to a
combination of the chemicals contain	ned in this product.		

Skin Effects: Possible sensitizer to the skin.

Carcinogenicity

IARC: Not Listed by IARC. **NTP:** Not listed by NTP. **OSHA:** Not listed by OSHA.

GENERAL COMMENTS: This product does not contain substances considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

COMMENTS: The chemical, physical, and toxicological properties have not been thoroughly investigated or tested to the best of our knowledge.



SECTION XII – ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No environmental data has been established or is available for this product.

GENERAL COMMENTS: Avoid contaminating waterways.

SECTION XIII – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: See the manufacturers instructions to mix together with the proper components of multi-component materials, and allow to harden. Dispose solids at an appropriate waste disposal facility according to current applicable laws and regulations.

COMMENTS: Refer to Section 6. Accidental Release Measures for additional information.

SECTION XIV – TRANSPORT INFORMATION

DOT, ADN ADR, IMDG, IATA

Not Regulated

SECTION XV – OTHER REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: No

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients in this mixture are listed with the TSCA Chemical Substance Inventory.

California: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

CANADA WHMIS HAZARD SYMBOL AND CLASSIFICATION



DOMESTIC SUBSTANCE LIST (INVENTORY): The components in this product are listed or exempt from the Canadian Domestic Substance List (DSL).

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INTERNATIONAL REGULATIONS: EINECS Inventory Status: The components in this product are listed on or exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substance (ELINCS).

Australian Inventory Status: The components in this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

SECTION XVI – OTHER INFORMATION

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) **CAS:** Chemical Abstract Service RID: Regalement international concern ant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association ICAO: International Civil Aviation Organization **ACGIH:** American Conference of Governmental Industrial Hygienists **NFPA:** National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) **VOC:** Volatile Organic Compounds (USA, EU) CERCLA: Comprehensive Environmental Response, Compensation and Liability Act **CFR:** Code of Federal Regulations **CPR:** Controlled Products Regulations (Canada) **DOT:** Department of Transportation **IARC:** International Agency for Research 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

Last Updated: March 26, 2014

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to

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the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. End of SDS.