



# QUAD-FLOW SAFETY DATA SHEET



**REPAIR  
MATERIALS**

## 1. PRODUCT AND COMPANY IDENTIFICATION

Material Name	QUAD-FLOW
Version	01
Revision Date	01-31-2018
CAS#	Mixture
Product Use	Concrete Repair
Manufacture	Quadex™
Address	18150 Imperial Valley Drive, Houston, TX 77060
Contact Name	Neil Wisener
Email	nwisener@quadexonline.com
Hours of Operation	8:00am - 5:00pm
Quadex General Assistance	501-758-8628
24 Hour Emergency	CHEMTREC: North America 1 (800) 424 9300 International 1 (703) 5273887

## 2. HAZARDS IDENTIFICATION

OSHA Regulatory Status	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communications).
Potential Health Effects	
Routes of exposure	Inhalation. Eye Contact. Skin Contact.
Eyes	Contact may irritate or burn eyes. Do not get this product in contact with eyes.
Skin	Avoid contact with skin.
Inhalation Ingestion	Prolonged inhalation may be harmful. Avoid breathing any dust.
Ingestion	Not available.
Target Organs	Eyes, skin, respiratory system, and lungs.
Chronic effects	Silicosis, lung cancer, autoimmune and chronic kidney disease.
Signs and Symptoms	Irritation, of eyes and skin.
Potential Environmental Effects	No known environmental hazards.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

On Ingredients	
Hazardous Components	ACGIH TLV
Portland Cement	10 Mg/M <sup>3</sup>
Admixtures	10 Mg/M <sup>3</sup>
Monocrystalline Quartz	10 Mg/M <sup>3</sup>
Polypropylene	10 Mg/M <sup>3</sup>

### 4. FIRST AID MEASURE

First aid procedures

Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Seek medical attention immediately.
Skin Contact	Wash skin with cool water and pH-neutral soap or mild detergent. Seek medical treatment in all cases of prolonged exposure to wet cement, cement mixtures, liquids from fresh cement products, or prolonged wet skin exposure to dry cement.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Notes to physician	Symptoms may be delayed.

### 5. FIRE FIGHTING MEASURES

Flash point	The product is not flammable. No unusual fire or explosion hazards noted.
Suitable extinguishing media	Dry chemical, CO <sub>2</sub> , or water spray, Alcohol foam
Firefighting (equipment instructions)	Use water spray to cool fire-exposed surfaces, protect personnel, and extinguish the fire. For large fires use all purpose-type by manufacturer's recommended techniques. Use carbon dioxide or dry chemical media for small fires. Use approved self-contained breathing apparatus and other protective equipment and/or if conditions warrant.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear adequate protective clothing and equipment.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for containment	Prevent entry into waterways, sewer, basements or confined areas.
Methods for cleaning up	Collect dry material using a scoop. Avoid actions that cause dust to become airborne. Avoid inhalations of dust and contact with skin. Wear appropriate personal protective equipment.

## 7. HANDLING AND STORAGE

Handling	Do not get this material in contact with eyes. Avoid contact with skin. Do not empty into drains.
Storage	Use care in handling/storage. Keep container tightly closed, and keep dry.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Skin Protection	Prevention is essential to avoiding potentially severe skin injury. Avoid contact with unhardened QM-1S Restore. If contact occurs, promptly wash affected area with soap and water. Where prolonged exposure to unhardened QM1S Restore products might occur, wear impervious clothing and gloves to eliminate skin contact. Wear sturdy boots that are impervious to water to eliminate foot and ankle exposure. Do not rely on barrier carriers; barrier creams should not be used in place of gloves. Periodically wash areas that have come in contact with dry QM-1s Restore, wet cement or concrete fluids with a pH neutral soap. Wash again at the end of work. If irritation occurs, immediately wash the affected area and seek treatment. If clothing becomes saturated with wet concrete, it should be removed and replaced with clean dry clothing.
Respiratory Protection	Avoid actions that cause dust to become airborne. Use local or general exhaust ventilation to control exposures below applicable exposure limits. Use NIOSH/MSHA approved (under 30 CFR 11) or NIOSH approved (under 42 CFR 84) respirators in poorly ventilated areas, if an applicable Exposure limit is exceeded, or when dust causes discomfort or irritation. (Advisory: Respirators and filters purchased after June 10, 1998 must be Certified under 42 CFR 84.)
Ventilation	Use local exhaust or general dilution ventilation to exposure with applicable limits.
Eye Protection	Where potentially subject to splashes or puffs of cement, wear safety glasses with side shields or goggles. In extremely dusty environments and unpredictable environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when working with QM-1S Restore or fresh cement products.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Grey and odorless.
Color	Grey
Odor	Odorless
Odor threshold	Not available.
pH	Not available.
Vapor Pressure	Not available.
Vapor Density	Not available.
Boiling Point	Not available.
Melting Point/Freezing point	Not available.
Solubility (water)	75%
Specific Gravity	2.9
Relative Density	Not available.
Flash Point	Not available.
Flammability limits in air upper, % by volume	Not available.
Flammability limits in air lower, % by volume	Not available.
Auto-ignition temperature	
Other data	

## 10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability	Stable under normal conditions.
Conditions to avoid	Although no hazardous reactions will occur, product should be kept dry.
Incompatible materials	Not available.
Hazardous decomposition Products	None

## 11. TOXICOLOGICAL INFORMATION

\* Please refer to Section 2 for available information on potential health effects.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity	No recognized unusual toxicity to plants or animals.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Aquatic toxicity	No data available for this product.
Persistence and Degradability	Not available.

## 13. DISPOSAL CONSIDERATIONS

Disposal Instructions	Dispose in sanitary land fill in accordance with federal, state, and local regulations.
Waste from residues / unused products	Not applicable.

## 14. TRANSPORT INFORMATION

DOT	Not regulated as dangerous goods.
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## 15. REGULATORY INFORMATION

US federal regulations	This product is a non "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. CERCLA/SARA Hazardous Substances - Not applicable.
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Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2)

Not regulated.

DEA Essential Chemical Code Number Not regulated.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)) Not regulated.

DEA Exempt Chemical Mixtures Code Number Not regulated.

CERCLA (Superfund) reportable qty None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous Chemical No

## 16. OTHER INFORMATION

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 2

Flammability: 0

Physical hazard: 0

NFPA ratings Health: 2

Flammability: 0

Instability: 0

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Issue date Not available.

This data sheet contains Product and Company Identification: Synonyms changes from the previous Physical & Chemical Properties: Multiple Properties version in section(s): Transport Information: Material Transportation Information Regulatory Information: United States.