

ALUMINALINER®



# ALUMINALINER® SAFETY DATA SHEET



REPAIR  
MATERIALS

## 1. PRODUCT AND COMPANY IDENTIFICATION

Material Name	<b>ALUMINALINER®</b>
Version	01
Revision Date	03-2019
CAS#	Mixture
Product Use	Vertical and overhead repairs to concrete or masonry sewer structures.
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	Skin contact. Eye contact. Ingestion.
Eyes	Contact may irritate or burn eyes.
Skin	Irritating to skin.
Inhalation Ingestion	Respiratory Irritation.
Ingestion	Do not ingest.
Target Organs	Eyes. Skin. Respiratory system, lungs.
Signs and Symptoms	Irritation of eyes and mucous membranes.
Potential Environmental Effects	Unknown

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	Cass #	Percent
Non-hazardous Components	Cass #	Percent
Calcium Aluminate		
Admixtures		
Monocrystalline Quartz		
Polypropylene		
Additional components	Cass #	Percent

### 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 off with plenty of soap and water. Get medical attention if irritation develops and persists.
Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion	Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If ingestion of a large amount does occur, call a poison control center immediately.
Notes to physician	Symptoms may be delayed.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. FIRE FIGHTING MEASURES

Flammable properties	The product is not flammable. No unusual fire or explosion hazards noted.
Extinguishing media	Dry chemical, CO <sub>2</sub> , or water spray. Alcohol foam.
Suitable extinguishing media	
Dry chemical, CO <sub>2</sub> , or water spray.	In the event of fire, use water spray to cool unopened containers.
Alcohol foam	Cool containers exposed to flames with water until well after the fire is out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Specific methods	None available.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Keep unnecessary personnel away. Keep upwind.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material.
Methods for cleaning up	Shovel into labeled waste container for reuse or disposal. Wear adequate protective equipment. Area may be washed down with water.

### 7. HANDLING AND STORAGE

Handling	Do not get this material in contact with eyes. Avoid contact with skin. Do not empty into drains.
Storage	Store in dry place and keep sealed until ready to use.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Calcium Aluminate Cement	TWA	10 mg/m <sup>3</sup>	
Admixtures	TWA	10 mg/m <sup>3</sup>	
Monocrystalline	TWA	10 mg/m <sup>3</sup>	
Polypropylene	TWA	10 mg/m <sup>3</sup>	

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
N/A			

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
N/A			

### Engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal protective equipment

#### Eye / face protection

Do not get in eyes. Chemical goggles are recommended.

#### Skin protection

Avoid contact with the skin. Wear protective gloves. Wear suitable protective clothing as protection against splashing or contamination.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use NIOSH/MESHA respirators.

#### General hygiene considerations

Do not get in eyes. Avoid contact with skin.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Not available.
Physical state	Powder
Form	Viscous
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)	Slight (0.01 - 1.0%)
Specific Gravity	3.15
Relative density	Not available.
Flash point	Not available.
Flammability limits in air	Not available.
upper, % by volume	
Flammability limits in air	Not available.
lower, % by volume	
Auto-ignition temperature	
Other data	

## 10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability	Stable under normal conditions.
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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**

Toxicological data	
Components	Test Results / None
Local effects	Irritating to skin. Contact may irritate or burn eyes.
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
Carcinogenicity	None

**12. ECOLOGICAL INFORMATION**

Toxicological data	
Components	Test Results / Not available
Ecotoxicity	Not available.
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 unused products.

**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.
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

Section 302 extremely hazardous substance	Pressure Hazard - No
Section 311 hazardous Chemical	Reactivity Hazard - No
	No
	No

**16. OTHER INFORMATION**

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