



HYPERFORM[®]

SAFETY DATA SHEET



**REPAIR
MATERIALS**

A VORTEX COMPANY

1. PRODUCT AND COMPANY IDENTIFICATION

Material Name	HYPERFORM[®]
Version	02
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	ACGIH TLV
Portland Cement	10 mg/M ³
Admixtures	10 mg/M ³

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, CO₂, or water spray. Alcohol foam.

Suitable extinguishing media

Dry chemical, CO₂, or water spray.

Alcohol foam

In the event of fire, use water spray to cool unopened containers. 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
Portland Cement	TWA	10 mg/m ³	
Admixtures	TWA	10 mg/m ³	

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 Powder
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.
 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.

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). Not regulated.
 List 2, Essential Chemicals
 (21 CFR 1310.02(b) and 1310.04(f)(2))

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

NFPA ratings Flammability: 0
Physical hazard: 0

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.