UNIQUE® Highway (DOT) Fast Setting Concrete
Safety Data Sheet
(Complies with OHSA 29 CFR 1910.1200)

SECTION 1 - PRODUCT IDENTIFICATION

UNIQUE Paving Materials Corp. 3993 East 93rd Street Cleveland, Ohio 44105 - USA www.uniquepavingmaterials.com	Information Telephone Number (216) 341-7711
Revision: 09-2023	Emergency Telephone Number (800) 424-9300
UNIQUE Product Name Highway DOT Fast Setting Concrete	Product # N/A

Product Use: Cementitious Mortar

Section 2 – HAZARD IDENTIFICATION

Physical Hazards	Not Classified	
Health Hazards	Skin corrosion / irritation	Category 2
	Serious Eye Damage	Category 1
	Carcinogenicity	Category 1A
	Specific Target Organ Toxicity after Single Exposure	Category 3
	Specific Target Organ Toxicity after Repeated Exposure	Category 1
OSHA defined hazards	Not Classified	

Hazard Pictogram:

Signal Word (GHS-US): DANGER

Hazard statement - Causes skin irritation. Causes serious eye damage. May cause cancer. May cause respiratory irritation. May cause damage to organs (Lungs) through prolonged or repeated exposure.

Precautionary statement
Prevention - Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash thoroughly after handling. Use in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response - If exposed or concerned: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

Storage - Store in dry location. Store away from incompatible materials

Disposal - Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise – None known

Classified (HNOC)

Section 3 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Ingredient	CAS No.	Wt. %
Silica Sand, Crystalline	14808-60-7	40-80*
Portland Cement	65997-15-1	1-20*
**Component 1		0.1-10*
**Component 2		0.1-10*

The exact percentage (concentration) of composition has been withheld as a trade secret*
**The SDS for these components is available upon request

Other Limits: National Institute for Occupational Safety and Health (NIOSH). Recommended standard maximum permissible concentration = mg/M3 (Respirable free silica) as determined by Recommended Standard Occupational Exposure to Crystalline Silica

Section 4 – FIRST AID MEASURES

Eyes: Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. 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. Seek immediate medical treatment in the event of burns.

Inhalation: Remove persons to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside.
Inhalation of large amounts of Portland cement requires immediate medical attention.

Ingestion: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

Section 5 – FIRE AND EXPLOSION HAZARD DATA

Flammability: Noncombustible and not explosive

Auto-ignition Temperature: Not Applicable

Flash Point: Not Applicable

Section 6 – ACCIDENTAL RELEASE MEASURES

If spilled, use dustless methods (vacuum) and place into covered container for disposal (if not contaminated or wet). Use adequate ventilation to keep exposure to airborne contaminants below the exposure limit.

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Section 7 – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Do not allow water to contact the product until time of use. DO NOT BREATE DUST. In dusty environments, the use of an OSHA, MSHA or NIOSH approved respirator and tight fitting goggles is recommended.

Section 8 – EXPOSURE CONTROL MEASURES

Components with limit values that require monitoring at the workplace:

Hazard Components	CAS No.	PEL (OSHA) mg/M3	TLV (ACGIH) mg/M3
Silica Sand, crystalline	14808-60-7	0.1	0.025 (resp)
Portland Cement	65997-15-1	5 (resp) 15 (total)	10 (resp)
Component 1		5 (resp) 15 (total)	10 (resp)
Component 2		5 (resp) 15 (total)	10 (resp)

Engineering Controls: Local exhaust can be used, if necessary, to control airborne dust levels.

Personal Protection: The use of barrier creams or impervious gloves, boots and clothing to protect the skin from contact is recommended. Following work, workers should shower with soap and water. Precautions must be observed because burns occur with little warning – little heat is sensed.

Exposure Limits: Consult local authorities for acceptable exposure limits.

Section 9 – PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance:	Gray, Light Gray, Grayish Brown		
Specific Gravity:	3.0 to 3.15	**Melting Point**:	>2700°F
Boiling Point:	>2700°F	**Vapor Pressure**:	Not Applicable
Vapor Density:	Not Applicable	**Evaporation Rate**:	Not Applicable
Solubility in Water:	Slight	**Odor**:	Not Applicable

Section 10 – REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to Avoid): Contact with powerful oxidizing agents, such as fluorine, Chlorine trifluoride and oxygen difluoride may cause fires.

Hazardous Decomposition or Byproducts: Silica will dissolve in hydrofluoric acid and produce a corrosive gas – silicon trifluoride.

Hazardous Polymerization: Will not occur.

Section 11 – TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Ingestion

Toxicity to Animals:
LD50: Not Available
LD50: Not Available

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Chronic Effects on Humans: Conditions aggravated by exposure include eye disease, skin disorders and Chronic Respiratory conditions.

Special Remarks on Toxicity: Not Available

Section 12 – 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: Not Available

Section 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method: The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302)

Section 14 – 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 15 – OTHER REGULATORY INFORMATION

US OSHA 29CFR 1910.1200: Consider hazardous under this regulation and should be included in the employer's hazard communication program.

SARA (Title III) Sections 311 & 312: Qualifies as hazardous substance with delayed health effects.

SARA (Title III) Section 313: Not subject to reporting requirements

TSCA (May 1997): All components are on the TSCA inventory list

Federal Hazardous Substance Act: Is a hazardous substance subject to statues promulgated under the subject act.

California Regulation: **WARNING,** This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Canadian Environmental Protection Act: Not listed
Canadian WHMIS: Consider to be hazardous material under Hazardous Products Act as defined by the Controlled Products Regulations (Class D2A, E- Corrosive Material) and subject to the requirements of Health Canada's Workplace Hazardous Materials Information (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 CPR.

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Section 16 – OTHER INFORMATION

HMIS – III

Health –	0 = No Significant health risk
	1 = Irritant 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 pre-heated before ignition will occur
	2 = Material must be exposed to high temp. before ignition
	3 = Material capable of ignition under normal temp.
	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 under 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 Product Regulations (Canada)
DOT	Department of Transportation
IARC	Internal Agency for Research
MSHA	Mine Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicity Report
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

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 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.

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