

Safety Data Sheet

Section 1 - Chemical Product and Company Information

Product Name: Universal 1023 (Gray and White)

Trade Name: Universal 1023

Manufactured by:
Umaco, Inc.
60 Rear Newhall Street
Lowell, MA 01852
(800) 442-5535

Emergency Phone (Chemtrec):
800 424-9300

Date Prepared: March 10, 2022

Replaces: July 1, 2015

Product Use: Multi-Purpose, polymer modified, concrete patching, repair and overlay material.

Section 2 - Hazards Identification

GHS Ratings:

Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5
Skin sensitizer	1	Skin sensitizer
Carcinogen	1A	Known Human Carcinogen Based on human evidence

GHS Hazards

H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H350	May cause cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash ... thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see ... on this label)
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
IF exposed or concerned: Get medical advice/attention
If skin irritation or a rash occurs: Get medical advice/attention
Store locked up
Dispose of contents/container to ...

P308+P313

P333+P313

P405

P501

Signal Word: Danger



Section 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Silica, Crystalline, Quartz	14808-60-7	30-60
Portland Cement	65997-15-1	15-40
Proprietary Ingredients (Non-Hazardous)	NA	NA

Section 4 - First Aid Measures

INHALATION - If product solids are inhaled either as dust or in the form of a spray mist, remove the person from exposure immediately. If breathing is difficult, irregular, or has stopped, start resuscitation; call a physician. Administer oxygen if a qualified operator is available.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

INGESTION - If material is ingested, seek immediate medical attention. Rinse mouth thoroughly. Do not induce vomiting.

Notes to Physician: Symptoms may be delayed.

Section 5 - Fire Fighting Measures

Flash Point: N/A

LEL:

UEL:

Flammable Limits: Non-flammable

EXTINGUISHING MEDIA: Use an extinguishing agent suitable for the surrounding fire.

Special Protective Equipment for Fire Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 - Accidental Release Measures

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

Small/Large Spills: Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7 - Handling and Storage

Handling Precautions: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage Requirments: Store in accordance with local regulations. Store in original container in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Silica Sand 14808-60-7	Not Established	Not Established	Not Established
Portland Cement 65997-15-1	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)	1 mg/m ³ (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	Not Established

Engineering Measures: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Admin Contorls: Wear appropriate personal protective equipment.

Protective Gear: Safety glasses, Synthetic apron, Dust respirator, Nitrile gloves.

Section 9 - Physical and Chemical Properties

Explosive Limits: Not Determined Autoignition temperature: N/A Viscosity: Not Determined Appearance: Powder Vapor Pressure: N/A	Partition coefficient (n- Not Determined octanol/water): Decomposition temperature: Not Determined Grams VOC less water: 0.00 Odor: No Odor Odor threshold: Not Determined
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Vapor Density: N/A Specific Density: 1.00 Freezing point: Not Determined Boiling range: Not Determined Evaporation rate: Not Determined	pH: Not Determined Melting point: Not Determined Solubility: Not Determined Flash point: Not Applicable Flammability: Not Applicable
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Section 10 - Stability and Reactivity

STABLE

Incompatibilities: Reactive or incompatible with the following materials: oxidizing materials.

No Data Available

Hazardous Decomposition: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

No Data Available

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Component Toxicity

Routes Of Entry: Eyes, Skin, Inhalation.

Target Organs: Contains material which causes damage to the following organs: lungs, upper respiratory tract, skin, eye, lens or cornea, stomach.

Carcinogenicity: Classified 1 (Known to be human carcinogens.) by NTP, + (Proven.) by NIOSH [Silica crystalline, quartz]. Classified A2 (Suspected for humans.) by ACGIH, 2A (Probable for human.) by IARC [Silica crystalline, quartz]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Kaolin].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

CAS Number
14808-60-7

Description
Silica Sand

% Weight
30 to 60

Carcinogen Rating
Silica Sand

Section 12 - Ecological Information

Component Ecotoxicity

Portland Cement

No additional information available

Section 13 - Disposal Considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14 - Transport Information

Agency Proper Shipping Name

DOT
IATA
ADR/RID
IMDG

UN Number

Unregulated
Unregulated
Unregulated
Unregulated

Packing Group**Hazard Class**

Non Hazardous
Non Hazardous
Non Hazardous
Non Hazardous

Section 15 - Regulatory Information

Country**Regulation****All Components Listed**

Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	F

HMIS & NFPA Hazard Rating**Legend**

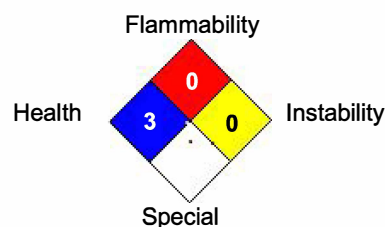
* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)

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Date Prepared: March 10, 2022

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