

SAFETY DATA SHEET

WORKRITE® Cements for Masonry



Section 1: IDENTIFICATION

Product Identifier: WORKRITE® cements for masonry

Synonyms: Masonry Cement, Portland Cement & Lime, Mortar Cement, Mortar, Grout

Intended Usage: Masonry cements are used to bind concrete masonry and clay brick masonry units together.

Supplier Details: WORKRITE® Packaged Cement Products
A Division of York Building Products
5952 Lincoln Highway, West
Thomasville, PA 17364

Emergency Phone #: 717.792.4700

Section 2: HAZARD IDENTIFICATION

GHS Classification: **According to OSHA 29 CFR 1910.1200 HCS**
Classification of the Substance or Mixture
Classification (GHS-US):

Skin Corrosion/Irritation	Category 1	H314
Skin Sensitization	Category 1	H317
Serious Eye Damage/Eye Irritation	Category 1	H318
STOT SE	Category 3	H335
Carcinogenicity	Category 1A	H350
STOT RE	Category 1	H372



Signal Word: **Danger**

Hazard Statements: H314 – Causes severe skin burns and eye damage.
H317 – May cause an allergic skin reaction.
H318 – Causes serious eye damage.
H335 – May cause respiratory irritation.
H350 – May cause cancer.
H372 – Causes damage to lungs through prolonged or repeated exposure inhalation.

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

Response: If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do.

Storage: Restrict or control access to stockpile areas. Engulfment hazard: To prevent burial or suffocation, do not enter a confined space, such as a silo, bulk truck or other storage container or vessel that stores or contains aggregates without an effective procedure for assuring safety.

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

Hazards Not Otherwise Classified: None known.

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Product Identifier (CAS#)	% (w/w)	Classification
Portland Cement	65997-15-1	30-75	Skin Irritant 1C, H314 Eye Corr. 1, H318 Skin Sensitization 1, H317 STOT SE 3, H335
Limestone	1317-65-3	0-50	Not Classified
Calcium Hydroxide	1305-62-0	0-25	Skin Irritant 2, H315 Eye Irritant 1, H318
Magnesium Hydroxide	1309-42-8	0-38	Skin Sensitizer 1, H317
Calcium Sulfate Dehydrate	133397-24-5	5-10	Not Classified
Quartz	14808-60-7	< 10	Carcinogenicity 1A, H350 STOT RE 1, H372
Magnesium Oxide	1309-48-4	0-4	Not Classified
Iron Oxide	1309-37-1	0-10	Not Classified

Section 4: FIRST AID MEASURES

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. Hold eyelids apart. Remove contacts if present and easy to do. Beyond flushing, do not attempt to remove material from the eye(s). Continue to rinse for at least 30 minutes. Chemical burns must be treated promptly by a physician.

Inhalation: Move victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist. Inhalation of large amounts of Portland cement requires immediate medical attention. Call a poison center or physician.

Skin Contact: Wash off with soap and water. Remove contaminated clothing and shoes. Launder contaminated clothing before reuse. Get medical attention if irritation develops and persists.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth with water and afterwards, drink plenty of water. Get immediate medical attention.

Most Important Symptoms: Product becomes alkaline when exposed to moisture and may cause skin burns. May cause serious eye damage. May cause allergic skin reaction. Carcinogen; breathing crystalline silica can cause lung disease, including silicosis and lung cancer. Crystalline silica has also been associated with scleroderma and kidney disease. Inhalation of dusts may cause respiratory irritation or burns.

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary:

Eye Contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Inhalation: Dust may cause respiratory tract irritation.

Skin Contact: Causes skin irritation. Wear gloves when handling product to avoid drying and mechanical abrasion of the skin. May cause sensitization by skin contact.

Ingestion: Not a normal route of exposure. May result in obstruction and temporary irritation of the digestive tract.

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Section 5: FIRE-FIGHTING MEASURES

Flammable Properties:	This product is not flammable or combustible.fire.
Extinguishing Media:	Use an extinguishing agent suitable for the surrounding fire.
Specific Hazards/Products of Combustion	No specific fire or explosion hazard.
Special Precautions and Protective Equipment For Fire-Fighters:	Move containers from fire area if this can be done without risk. 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

Personal Precautions, Protective Equipment and Emergency Procedures:	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust at levels exceeding the exposure limits.
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if reportable thresholds have entered the environment, including waterways, soil or air. Materials can enter waterways through drainage systems.
Methods and Materials For Containment and Cleaning-Up:	Spilled material, where dust is generated, may overexpose cleanup personnel to respirable crystalline silica-containing dust. Move containers from spill area. Approach release from upwind. Do not dry sweep or use compressed air for clean-up. Wetting of spilled material and/or use of respiratory protective equipment may be necessary. Avoid discharge of fine particulate matter into drains.

Section 7: HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Good housekeeping is key to prevent accumulation of dust. Avoid generating and breathing dust. Use wet methods, if appropriate, to reduce the generation of dust. Handle with care.
General Hygiene Advice:	Laundry contaminated clothing before reuse. Wash hands before eating or drinking.
Conditions For Safe Storage, Including Any Incompatibilities:	Avoid dust buildup by frequent cleaning and suitable construction of the storage area. Keep container tightly closed in a dry and well-ventilated place. Avoid contact with water and moisture. Keep away from food, drink and animal feed products. Keep out of the reach of children.

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Section 8: EXPOSURE CONTROLS AND PERSONAL MEASURES

Hygiene Measures:	Observe good hygiene, such as washing after handling the material and before eating and drinking. Routinely wash work clothing and protective equipment.
Eye/Face Protection:	To prevent eye contact, wear safety glasses with side shields, safety goggles or face shields when handling dust or wet cement. Contact lenses should not be worn when working with cement or cement products.
Skin Protection:	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Use personal protective equipment as required.
Respiratory:	Use local or general ventilation to control exposure below applicable exposure limits. Use NIOSH/MSHA approved (30 CFR 11) or NIOSH approved (42 CFR 84) respirators in poorly ventilated areas, or if an applicable exposure limit is exceeded, or when dust causes discomfort or irritation.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Appearance:	Fine granular material
	Color:	Varies. (Gray, buff, white, or other colors.)
	Odor:	Odorless
	Odor Threshold:	Not applicable
	Physical State:	Solid
	pH:	12-13 in water
	Melting/Freezing Point:	Not applicable
	Boiling Point:	>1,832 F (>1,000 C)
	Flash Point:	Not flammable/combustible
	Evaporation Rate:	Not applicable
	Flammability:	Not flammable/combustible
	Lower Flammability/Explosive Limit:	Not flammable/combustible
	Upper Flammability/Explosive Limit:	Not flammable/combustible
	Vapor Pressure:	Not applicable.
	Vapor Density:	Not applicable.
	Relative Density/Specific Gravity:	3.15
	Solubility:	Slight (0.1 – 1.0%)
	Partition coefficient: n-octanol/water:	Not applicable
	Auto-ignition Temperature:	Not applicable
	Decomposition Temperature:	Not applicable
	Viscosity:	Not applicable
	SADT:	Not applicable
	Oxidizing Properties:	Not applicable
	Explosive Properties:	Not expected to present an explosion hazard due to mechanical impact or static discharge

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Section 10: STABILITY AND REACTIVITY

Reactivity:	Reacts slowly with water forming hydrated compounds, releasing heat and producing a strong alkaline solution until reaction is substantially complete.
Chemical Stability:	Material is stable under normal conditions, storage and transport.
Hazardous Reaction Possibility:	No dangerous reaction known under conditions of normal use.
Conditions to Avoid:	Avoid contact with strong oxidizing agents.
Incompatible Materials:	Crystalline silica may react violently with strong oxidizing agents, causing fire. Wet material is alkaline and will react with acids, ammonium salts, aluminum and other reactive metals. Hardened material is attacked by hydrofluoric acid releasing toxic silicon tetrafluoride gas.
Hazardous Decomposition:	Silica dissolves in hydrofluoric acid producing a corrosive gas-silicon tetrafluoride.

Section 11: TOXICOLOGICAL INFORMATION

For questions regarding toxicological information refer to contact information in Section 1.

Section 12: ECOLOGICAL INFORMATION

For questions regarding ecological information refer to contact information in Section 1.

Section 13: DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any byproducts should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Untreated waste should not be released to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe manner. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers.

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Section 14: TRANSPORTATION INFORMATION

	<u>DOT Classification</u>	<u>IMDG</u>	<u>IATA</u>
UN Number	Not regulated.	Not regulated.	Not regulated.
UN Proper Shipping Name	----	----	----
Transport Hazard Class(es)	----	----	----
Packing Group	----	----	----
Environmental Hazards	----	----	----

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

Section 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations/
Legislations Specific For The Chemical:

US: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Section 16: OTHER INFORMATION

Date of Preparation: 03.13.23
 Expiration Date: None
 Version: 2.0
 Revision Date: 03.13.23
 Other: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but are given without warranty or guarantee of any kind. In particular, the data furnished in this sheet do not address hazards that may be posed by other materials mixed with asphalt. Users should review other relevant material safety data sheets before working with this product. Inexperienced product users should obtain proper training before using this product. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.