

SECTION 1: Identification and Company Details

Product Name: **Freestone Base Mix**
Product Code: 050200

Manufacturer/ Supplier: Premix Marbletite
Address: 1259 N.W. 21st Street
Pompano Beach, FL 33069

Emergency Phone: (800) 424-9300 (24-hour Response / CHEMTREC)
Product Information: 800-432-5097

Recommended Use: Pool Plaster

SECTION 2: Hazard(s) Identification

OSHA / HCS Status: This product is classified as hazardous under GHS criteria.

GHS Ratings:

Carcinogen	1A	Known Human Carcinogen Based on human evidence
Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Skin Irritation	2	
Eye damage	1	
Skin sensitization	1	

Signal Word: Danger

Hazard Statements: Harmful if swallowed
Causes severe skin burns and eye damage
Causes serious eye damage
May cause cancer
Suspected of damaging fertility or the unborn child

Hazard Pictograms:



Precautionary Statements: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Wear protective gloves/clothing/eye protection/face protection.
Use personal protective equipment as required.
Specific treatment- treat symptomatically.
Wash contaminated clothing before reuse.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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.

Store locked up.

Dispose of contents/container in accordance with local authority requirements. Incineration is the preferred method of disposal.

SECTION 3: Composition / Information on Ingredients

	<u>Weight %</u>	<u>CAS #</u>
Cement, portland, chemicals	30 – 45%	65997-15-1
Quartz	20 - 30%	14808-60-7
Calcium oxide	10 - 20%	1305-78-8
Titanium Dioxide	< 10%	13463-67-7
Diisodecyl phthalate	< 5%	26761-40-0
Magnesium oxide (MgO)	< 5%	1309-48-4
Carbon black	< 5%	1333-86-4

SECTION 4: First-Aid Measures

Inhalation: Move victim to fresh air and keep at rest in position comfortable for breathing. If the person is not breathing, if breathing is irregular or of respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Risk may occur to the person providing mouth-to-mouth resuscitation. If victim is unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Skin Contact: Wash with soap and water. Remove contaminated clothing. Consult physician for rashes, burns, irritation, and prolonged unprotected exposures to wet cement, cement mixtures or liquids from wet cement. Burns should be treated as caustic burns. Feeling of pain or the severity of the burn may not occur until hours after the exposure. In the event of any complaints or symptoms, avoid further exposure.

Eye Contact: Flush with copious amounts of water for at least 15 minutes occasionally lifting upper and lower eyelids. Remove any contact lenses. Consult physician if necessary.

Ingestion: Do not induce vomiting. Wash mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If product has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop giving water if vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Consult physician.

Note to Physician: *Eyes:* Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation.
Skin: This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as thermal burn.
Ingestion: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound.
Respiratory: Treatment is essentially symptomatic. Remove individual with symptoms from exposure and assist in breathing if necessary.

SECTION 5: Fire-Fighting Measures

Extinguishing Media: This product is not flammable. Use fire- extinguishing media appropriate for surrounding materials. Don't use water jet. Suitable extinguishing media - Water and Carbon dioxide (CO₂).

Hazardous Combustion Products: May include but not limited to Oxides of Carbon, Sulfur Oxides and Metal Oxides.

Protection of Firefighters: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

SECTION 6: Accidental Release Measures

- Personal Precautions:** Use personal protection equipment. Do not breathe dust. Provide adequate ventilation. Use protective gloves, goggles and suitable protective clothing.
- Environmental Precautions:** Sweep and transfer dry product to containers. Place wet product in proper containers and allow product to harden. Keep spills and cleaning runoffs out of municipal sewers and open water. Inform specific authorities if the product has entered the environment, including water, drains and soil.
- Methods of Clean-up:** Vacuum with HEPA fitted filter equipment place in a disposal container. Seal securely and deliver for disposal according to local regulations. Wash with plenty of water. Wear necessary protective equipment.

SECTION 7: Handling and Storage

- Handling Precautions:** Avoid generating and breathing dust. Avoid contact with skin and eyes. Do not get the product inside boots, shoes or gloves. Wet, saturated clothing should not remain on skin. Appropriate respirator should be worn when ventilation is inadequate. Do not eat, drink or smoke when using the product. Use of compressed air for cleaning clothing, equipment etc. is not recommended. Do not reuse packaging.
- Storage:** Keep separate from food, feedstuffs, fertilizers and other sensitive material. Store in dust tight, dry and labeled closed container. Avoid product contact with skin and eyes. Be Aware- This product may build up or adhere to the walls of a confined space and release or fall suddenly.
KEEP OUT OF REACH OF CHILDREN.
- Other:** Every attempt possible should be made to avoid skin/eye contact with Portland cement. Portland Cement will react with water to produce calcium hydroxide, a compound that will potentially cause chemical burns to the user.

SECTION 8: Exposure Control / Personal Protection

- Exposure Guidelines:** Not determined
- Engineering Controls:** Provide adequate ventilation. If dust accumulated, use process enclosures, local exhaust ventilation or other engineering controls to limit airborne containment.
- Environmental Controls:** Emissions from ventilation or work process equipment should comply with the requirements of environmental protection legislation.
- Personal Protective Equipment:**
Skin Protection - Permeation resistant gloves (butyl rubber, nitrile rubber, PVC or polyvinyl alcohol). Do not allow this product inside gloves. Wear high impervious boots, do not get the product inside boots, shoes or gloves. Remove saturated clothing and protective equipment and immediately wash exposed areas of the body.
Eye/Face Protection – use chemical splash proof goggle. It's not recommended to use wear contact lenses when working with this product.
Respiratory Protection- Use respirator with a filter selected based on known or anticipated exposure levels, hazards of the product.

<u>Chemical Name / CAS No.</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
Cement, portland, chemicals 65997-15-1	15 mg/m ³ TWA (total dust) 5 mg/m ³ TWA (respirable fraction)	1 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
Quartz 14808-60-7	Not Established	0.025 mg/m ³ TWA (respirable fraction)	NIOSH: 0.05 mg/m ³ TWA (respirable dust)
Calcium oxide 1305-78-8	5 mg/m ³ TWA	2 mg/m ³ TWA	NIOSH: 2 mg/m ³ TWA
Titanium Dioxide 13463-67-7	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	Not Established

Diisodecyl phthalate 26761-40-0	Not Established	Not Established	Not Established
Magnesium oxide (MgO) 1309-48-4	15 mg/m3 TWA (fume, total particulate)	10 mg/m3 TWA (inhalable fraction)	Not Established
Carbon black 1333-86-4	3.5 mg/m3 TWA	3 mg/m3 TWA (inhalable fraction)	NIOSH: 3.5 mg/m3 TWA; 0.1 mg/m3 TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)

SECTION 9: Physical and Chemical Properties

Appearance:	White Powder dry
Odor:	Slight, non-offensive odor
Relative Density:	2.45 - 2.65
Odor Threshold:	Not available
Solubility:	Partially Soluble (in water)
pH:	9.30 in water
Partition Coefficient:	Not available
Melting Point:	Not available
Freezing Point:	Not available
Auto-ignition Temperature:	Not available
Flash Point:	Not available
Decomposition Temperature:	Not available
Evaporation Rate:	Not available
Viscosity:	Not available
Flammability (Solid/Gas):	Non-Flammable
Upper/Lower Flammability:	Not available
VOC Content:	Not available
Vapor Pressure:	Not available
Boiling Point:	Not available

SECTION 10: Stability and Reactivity

Chemical Stability:	Stable under normal temperature conditions and recommended use.
Conditions to Avoid:	Excessive heat, direct sunlight and/or frost.
Materials to Avoid:	Oxidizing materials, acids, aluminum and ammonium salt. This product is highly alkaline and will react with acids to product harsh, heating- generating reaction. Aluminum powder and other alkaline earth elements will react in wet mortar or concrete, liberating hydrogen gas. Limestone ignites on contact with fluorine and is incompatible with acids, alum, ammonium salts, and magnesium.

SECTION 11: Toxicological Information

Acute Toxicity:	Oral Toxicity LD50: 1,017mg/kg
Ingestion:	May cause burns to mouth, throat and stomach.
Inhalation:	May cause respiratory irritation.
Skin Contact:	May cause severe burns. May cause an allergic skin reaction.
Eye Contact:	May cause serious eye damage or irritation.

Component Toxicity:

CAS Number	Description	Carcinogen Rating
13463-67-7	Titanium Dioxide	Titanium Dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen

1333-86-4	Carbon black	OSHA: listed Carbon black: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen
14808-60-7	Quartz	OSHA: listed Quartz: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed

SECTION 12: Ecological Information

Mobility and Bioaccumulation Potential: Not determined

Degradation: Not determined

Aquatic Toxicity: Not determined

LC50 – 24 hour (Static): Not determined

Component Ecotoxicity: Calcium oxide 96 Hr LC50 Cyprinus carpio: 1070 mg/L [static]
Diisodecyl phthalate 96 Hr LC50 Lepomis macrochirus: >0.55 mg/L [static]; 96 Hr LC50 Pimephales promelas: >1 mg/L [flow-through]
48 Hr EC50 Daphnia magna: >0.02 mg/L [Static]
72 Hr EC50 Desmodesmus subspicatus: >500 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >0.8 mg/L [static]

SECTION 13: Disposal Considerations

Disposal: Dispose of waste and residues in accordance with local authority requirements based on the environmental protection and waste disposal legislation. This material and its container must be disposed of in a safe manner. Waste packaging should be recycled. Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers.

Wastes or Residues: Same as above.

SECTION 14: Transport Information

Road: DOT Proper Shipping Name: **Non-Regulated**
DOT Packing Group: N/A
DOT Label: N/A
UN Number: N/A

Ocean: Proper Shipping Name: **Non-Regulated**
Sea – IMO/IMDG Class: N/A
UN Number: N/A
Label: N/A
Packing Group: N/A
Marine Pollutant: N/A
EMS: N/A

Air: Proper Shipping Name: **Non-Regulated**
Air – ICAO/IATA Class: N/A
UN Number: N/A
Label: N/A
Sub Class: N/A
Packing Group: N/A
Pack Instr. Passenger: N/A
Pack Instr. Cargo: N/A

SECTION 15: Regulatory Information

Status on Substance Lists: The concentrations shown in this document are maximum levels (weight %) to be used for regulations.

TSCA: The components of this product are contained on the chemical substance inventory list.

OSHA: This product is Hazardous as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

OSHA PEL's
1333-86-4 Carbon black
1309-48-4 Magnesium oxide (MgO)
26761-40-0 Diisodecyl phthalate
13463-67-7 Titanium Dioxide
1305-78-8 Calcium oxide
14808-60-7 Quartz
65997-15-1 Cement, portland, chemicals

Federal EPA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA): Requires notification of the national response center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

Chemical Name	CAS Number	% by Weight	RQ
None	None	None	None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355. Components present in this product at level which could require reporting under this statute are:

Chemical Name	CAS Number	% by Weight	RQ
None	None	None	None

Section 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known- **None**

NJ RTK

1333-86-4 Carbon black
1309-48-4 Magnesium oxide (MgO)
13463-67-7 Titanium Dioxide
1305-78-8 Calcium oxide
14808-60-7 Quartz
65997-15-1 Cement, portland, chemicals

Pennsylvania RTK

1333-86-4 Carbon black
1309-48-4 Magnesium oxide (MgO)
13463-67-7 Titanium Dioxide
1305-78-8 Calcium oxide
14808-60-7 Quartz
65997-15-1 Cement, portland, chemicals

Massachusetts RTK

1333-86-4 Carbon black
1309-48-4 Magnesium oxide (MgO)
13463-67-7 Titanium Dioxide
1305-78-8 Calcium oxide
14808-60-7 Quartz
65997-15-1 Cement, portland, chemicals

EPA Hazard Classifications:

Acute Hazard Yes	Chronic Hazard Yes	Fire Hazard No	Pressure Hazard No	Reactive Hazard No
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Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDSs that are distributed for this material. Components present in this product at level which could require reporting under the statute are: **None**

Canada DSL: This material is listed or exempted.

California Proposition 65: Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm: **14808-60-7/Crystalline Silica, 1333-86-4/Carbon black, 13463-67-7/Titanium Dioxide.**

SECTION 16: Other Information

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

HMIS RATING: HEALTH-3, FLAMMABILITY-0, REACTIVITY-0, PERSONAL PROTECTION- E.

Hazardous Material Information System (HMIS)

Prepared by: Premix Marbletite Product Safety & Regulatory Compliance Group, (800) 432-5097

The information herein is given in good faith, but no warranty expressed or implied is made. Premix Marbletite urges users of this product to evaluate its suitability and compliance with local regulations as Premix Marbletite cannot foresee the final use of the product, nor the final location of usage.

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