SAFETY DATA SHEET

Argos Masonry and Mortar Cement

1. IDENTIFICATION

Product Identifier	Argos Masonry and Mortar Cement
Synonyms:	Cement, Masonry Cement, Mortar cement, Mortar Mix, Parging Mix, U.S. Cement®, Custom Color Masonry Cement, Portland and Lime, Eaglebond®, Superbond™, Types N, O, S or M, MCN or MCS Cement, Trinity® White* Magnolia® Buff, Dark and Ultra Dark Masonry Cement, Premium Stucco Mix, Florida Super Stucco, Florida Super Masonry, Super-One Stucco and Florida Masonry Cement.
Intended use of the product:	Cement is used as a binder in concrete and mortars that are widely used in construction.
Contact:	Argos Cement 3015 Windward Plaza Suite 300 Alpharetta, GA 30005 mheaton@argos-us.com Contact Person: Michael J. Heaton
Contact Information:	EMERGENCY TELEPHONE NUMBER (24 hrs): (800)424-9300 COMPANY CONTACT (business hours): (678)368-4300 (8 AM-4 PM EST)

2. HAZARD IDENTIFICATION

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

Labeling Elements

Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US):
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 lung through prolonged or repeated exposure inhalation.

Precautionary Statements (GHS-US) :

Prevention	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/vapors/spray. P264- Wash thoroughly after handling. P270 – Do not eat, drink or smoke when using this product. P271 – Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 – Wear protective gloves.
Response	P301+P330+P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - If exposed or concerned: Get medical attention/advice. P310 – Immediate call a POISON CENTER/Doctor. P333+P313 - If skin irritation or a rash occurs: Get medical advice/attention. P363 – Wash contaminated clothing before reuse.
Storage	P403+P233 – Store in a well-ventilated place. Keep container tightly closed.
Disposal	P501- Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards Not Otherwise Classified: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Composition Information

Name	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	0-75	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	Skin Irr. 3 (H316) Eye Irr. 2 (H320) Repro 2 (H361) STOT SE 3 (H335)

The exact percentage (concentration) of the composition has been withheld as proprietary.

4. FIRST AID MEASURES

Route	Measures
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the individual is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Inhalation of large amounts of Portland cement requires immediate medical attention. Call a poison center or physician.
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.
Eye Contact	In case of contact get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 30 minutes. Chemical burns must be treated promptly by a physician.
Skin Contact	Wash off with plenty of water. Remove contaminated clothing and shoes. Launder contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Absorption	As with skin contact, remove contaminated clothing and flush with copious amounts of water. Flush affected area for at least 15 minutes to minimize potential for further absorption. Seek medical attention if significant portions of skin have been exposed.

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 any immediate medical attention and special treatment needed
Note to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE-FIGHTING MEASURES

Flammable Properties
This product is not flammable or combustible.

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 Firefighters
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.

See Section 9 for fire properties of this chemical including flash point, autoignition temperature, and explosive limits

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 for additional information.

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.

Containment and Clean-Up Methods
Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place dust in a closed, labeled waste container. Large spills to waterways may be hazardous due to alkalinity of the product. Dispose of waste material using a licensed waste disposal contractor

7. HANDLING AND STORAGE

Handling Precautions
Avoid contact with eyes, skin, or clothing. This product contains quartz, which may become airborne without a visible cloud. Avoid breathing dust. Avoid creating dusty conditions. Use only with adequate ventilation to keep exposure below recommended exposure limits. Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure by obtaining and following special instructions before use. Do not handle until all safety precautions have been read and understood. Keep in the original container or an approved alternative made from a compatible material and keep the container tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage
Keep container tightly closed in a dry and well-ventilated place. Avoid contact with water and moisture. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits
US. ACGIH Threshold Limit Values
Components Type Value Form
Calcium Hydroxide: TWA 5 mg/m3
(CAS# 1305-62-0)
Calcium sulfate dehydrate: TWA 10 mg/m3 Inhalable fraction.
(CAS# 13397-24-5)
Magnesium oxide: TWA 10 mg/m3 Inhalable fraction.
(CAS# 1309-48-4)
Portland cement TWA 1 mg/m3 Respirable fraction.
(CAS# 65997-15-1)
Quartz: TWA 0.025 mg/m3 Respirable fraction.
(CAS# 14808-60-7)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Components Type Value Form
Calcium Hydroxide: PEL 5 mg/m3 Respirable fraction.
(CAS# 1305-62-0)
Calcium sulfate dehydrate: PEL 5 mg/m3 Respirable fraction 15 mg/m3 Total dust.
(CAS# 13397-24-5)
Limestone: PEL 5 mg/m3 Respirable fraction 15 mg/m3 Total dust.
(CAS# 1317-65-3)
Magnesium oxide: PEL 15 mg/m3 Total particulate.
(CAS# 1309-48-4)
Portland cement: PEL 5 mg/m3 Respirable fraction 15 mg/m3 Total dust.
(CAS# 65997-15-1)

US. OSHA Table Z-3 (29 CFR 1910.1000)
Components Type Value Form
Portland cement: TWA 50 mppcf
(CAS# 65997-15-1)
Quartz: TWA 0.3 mg/m3 Total dust, 0.1 mg/m3 Respirable, 2.4 mppcf Respirable.
(CAS# 14808-60-7)

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)
Components Type Value Form
Calcium Hydroxide: TWA 5 mg/m3
(CAS# 1305-62-0)
Calcium sulfate dehydrate: TWA 10 mg/m3
(CAS# 13397-24-5)
Limestone: TWA 10 mg/m3
(CAS# 1317-65-3)
Magnesium oxide: TWA 10 mg/m3 Fume.
(CAS# 1309-48-4)
Portland cement: TWA 10 mg/m3
(CAS# 65997-15-1)
Quartz: TWA 0.025 mg/m3 Respirable particles.
(CAS# 14808-60-7)

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)
Components Type Value Form
Calcium Hydroxide: TWA 5 mg/m3
(CAS# 1305-62-0)
Calcium sulfate dihydrate: STEL 20 mg/m3 Total dust, TWA 10 mg/m3 Inhalable
(CAS#13397-24-5)
Limestone: STEL 20 mg/m3 Total dust, TWA 3 mg/m3 Respirable fraction 10 mg/m3 Total dust.
(CAS# 1317-65-3)
Magnesium oxide: STEL 10 mg/m3 Respirable dust and/or fume, TWA 3 mg/m3 Respirable dust and/or fume, 10 mg/m3 Inhalable fume.
(CAS# 1309-48-4)
Portland cement: TWA 3 mg/m3 Respirable fraction, 10 mg/m3 Total dust.
(CAS# 65997-15-1)
Quartz TWA 0.025 mg/m3 Respirable fraction.
(CAS# 14808-60-7)

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)
Components Type Value Form
Calcium Hydroxide: TWA 5 mg/m3
(CAS# 1305-62-0)
Calcium sulfate dehydrate: TWA 10 mg/m3 Inhalable fraction.
(CAS# 13397-24-5)
Magnesium oxide: TWA 10 mg/m3 Inhalable fraction.
(CAS# 1309-48-4)
Portland cement: TWA 10 mg/m3
(CAS# 65997-15-1)
Quartz: TWA 0.1 mg/m3 Respirable.
(CAS# 14808-60-7)

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)
Components Type Value Form
Calcium Hydroxide: TWA 5 mg/m3
(CAS# 1305-62-0)
Calcium sulfate dehydrate: TWA 5 mg/m3 Respirable dust, 10 mg/m3 Total dust.
(CAS# 13397-24-5)
Limestone: TWA 10 mg/m3 Total dust.
(CAS# 1317-65-3)
Magnesium oxide: TWA 10 mg/m3 Fume.

(CAS# 1309-48-4)
Portland cement: TWA 5 mg/m3 Respirable dust, 10 mg/m3 Total dust.
(CAS# 65997-15-1)
Quartz: TWA 0.1 mg/m3 Respirable dust.
(CAS# 14808-60-7)

Mexico. Occupational Exposure Limit Values
Components Type Value Form
Calcium Hydroxide: TWA 5 mg/m3
(CAS# 1305-62-0)
Calcium sulfate dehydrate: TWA 10 mg/m3
(CAS# 13397-24-5)
Limestone: STEL 20 mg/m3, TWA 10 mg/m3
(CAS# 1317-65-3)
Magnesium oxide: TWA 10 mg/m3 Fume.
(CAS# 1309-48-4)
Portland cement: STEL 20 mg/m3, TWA 10 mg/m3
(CAS# 65997-15-1)
Quartz: TWA 0.1 mg/m3
(CAS# 14808-60-7)

Engineering Controls
Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Personal Protective Equipment

Exposure	Equipment
Eye / Face	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	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information. Do not rely on barrier crèmes; barrier crèmes should not be used in place of gloves.
Respiratory	Avoid tasks which cause dust to become airborne. 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.
General Hygiene considerations	Periodically wash affected areas contacted by dry or wet cement products with a pH neutral soap. When using, do not eat, drink, or smoke. Wash again at the end of work. If clothing becomes saturated with wet cement products, it should be removed and replace with clean dry clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Comments
Appearance	Solid Gray, buff or white powder	
Physical State	Solid	
Odor	Odorless	

Property	Value	Comments
Odor Threshold	Not available	
pH	12-13 in water	
Melting / Freeze Point	Not available	
Boiling Point And Range	> 1832 °F (> 1000 °C)	
Flash Point	Not flammable. Not combustible.	
Evaporation Rate	Not available	
Flammability	Not available	
Flammability Limits	Not available	
Vapor Pressure	Not available	
Vapor Density	Not available	
Specific Gravity	2.65-3.15	
Solubility	Slight (0.1-1%)	
Partition Coefficient	Not available	
Autoignition Temperature	Not available	
Decomposition Temperature	Not available	
Viscosity	Not available	
Percent Volatiles	Not available	

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.

Stability
The product is stable under normal conditions of use, storage and transport.

Reactions / Polymerization
Not expected to occur

Conditions to Avoid
Contact with incompatible materials. When exposed to air it will absorb carbon dioxide to form calcium carbonate and magnesium oxide. When heated at temperatures above 580 deg. C, it loses water to form calcium oxide, magnesium oxide and water.

Incompatible Materials
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 Products
None expected under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Acute Effects: Product becomes alkaline when exposed to moisture. Contact with wet concrete can burn skin and eyes. Dust from the dry material can cause irritation and possible burns to the eyes and respiratory tract. Symptoms can be delayed.

Acute Toxicity (Inhalation LC50)
Portland cement (CAS# 65997-15-1): >1 mg/L (rat, 4hr)
Limestone (CAS# 1317-65-3): LC50 > 3 mg/L (rat, 4 hr) (Similar substance)
Calcium Hydroxide (CAS# 1305-62-0): No data available
Calcium Sulfate dehydrate (CAS# 13397-24-5): LC50 > 3.26 mg/L air (inhalation, dust, 4 h)
Magnesium Oxide (CAS# 1309-48-4): No data available
Quartz (CAS# 14808-60-7): No data available

Acute Toxicity (Oral LC50)
Portland cement (CAS# 65997-15-1): No data available
Limestone (CAS# 1317-65-3): LD50 6450 mg/kg (rat) (similar substance)
Calcium Hydroxide (CAS# 1305-62-0): LD50 7340 mg/kg (rat)
Calcium Sulfate dehydrate (CAS# 13397-24-5): LD50 > 2000 mg/kg (rat)
Magnesium Oxide (CAS# 1309-48-4): LD50 3870 mg/kg (rat)
Quartz (CAS# 14808-60-7): LD50 500 mg/kg (rat)

Acute Toxicity (Dermal LC50)
Portland cement (CAS# 65997-15-1): No data available
Limestone (CAS# 1317-65-3): LD50 > 2000 mg/kg (Similar substance)
Calcium Hydroxide(CAS# 1305-62-0): LD50 > 2500 mg/kg
Calcium Sulfate dehydrate (CAS# 13397-24-5): No data available
Magnesium Oxide (CAS# 1309-48-4): No data available
Quartz (CAS# 14808-60-7): No data available

Skin Corrosion/Irritation: May cause skin irritation. May cause serious burns in the presence of moisture.

Serious Eye Damage/Irritation: Causes serious eye damage. May cause burns in the presence of moisture.

Respiratory or Skin Sensitization: May cause respiratory tract irritation. The product may contain chromates, which may cause an allergic skin sensitization reaction.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: Cement may contain trace amounts of respirable crystalline silica and hexavalent chromium which are classified by NTP and IARC as known human carcinogens.

ACGIH Carcinogens
Magnesium oxide (CAS# 1309-48-4): A4 Not classifiable as a human carcinogen.
Portland cement (CAS# 65997-15-1): A4 Not classifiable as a human carcinogen
Quartz (CAS# 14808-60-7): A2 Suspected human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity
Quartz (CAS# 14808-60-7): 1 Carcinogenic to humans.

US NTP Report on Carcinogens: Known carcinogen
Quartz (CAS# 14808-60-7): Known To Be Human Carcinogen.

US OSHA Specifically Regulated Substances: Cancer hazard
No data available.

Teratogenicity: No data available.

Specific Target Organ Toxicity (Repeated Exposure): Quartz (CAS #14808-60-7): Category 1, route of exposure: inhalation, target organs: respiratory tract and organs.

Specific Target Organ Toxicity (Single Exposure): Magnesium oxide, Portland cement; Category 3, route of exposure: inhalation and skin contact, target organs: Respiratory tract irritation, skin irritation.

Aspiration Hazard: No data available.

Potential Health Effects: Causes serious eye damage. May cause respiratory irritation. Causes severe burns. May cause an allergic skin reaction. Ingestion: May cause burns to mouth, throat and stomach. May cause nausea, stomach pain and vomiting.

Chronic effects: Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. Danger of serious damage to health by prolonged exposure.

Crystalline silica is considered a hazard by inhalation. IARC has classified crystalline silica as a Group 1 substance, carcinogenic to humans. This classification is based on the findings of laboratory animal studies (inhalation and implantation) and epidemiology studies that were considered sufficient for carcinogenicity. Excessive exposure to crystalline silica can cause silicosis, a non-cancerous lung disease. Portland cement (CAS# 65997-15-1): is not classifiable as a human carcinogen.

Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. If sensitized to hexavalent chromium, a severe allergic dermal reaction may occur when subsequently exposed to very low levels.

12. ECOLOGICAL INFORMATION

Toxicity:
Data for Mixture: Argos Masonry and Mortar Cement
Aquatic Toxicity- Acute Crustacea EC50 Daphnia 350 mg/l, 48 hours, estimated
Fish LC50 Fish 1058.886 mg/l, 96 hours, estimated

Data for Component: Calcium Hydroxide (CAS# #1305-62-0)
Aquatic Toxicity-Acute Gasterosteus aculeatus 96 hr LC50 = 457 mg/L
Oncorhynchus mykiss 96 hr LC50 = 50.6 mg/L
Crangon septemspinosa 96 hr LC50 = 158 mg/L
Daphnia magna 48 hr EC50 = 49.1 mg/L
Daphnia magna 48 h EC50 > 100 mg/L
Danio rerio 96 h LC50 > 11.1 mg/L

Aquatic Toxicity- Crangon septemspinosa 14 d NOEC = 32 mg/L

Data for Component: Calcium sulfate dihydrate (CAS# 13397-24-5)
Aquatic Toxicity-Acute Fish LC50 Fathead minnow (Pimephales promelas) > 1970 mg/l, 96 hours

Data for Component: Quartz (CAS# 14808-60-7)
Aquatic Toxicity- Acute Daphnia magna 24 hr LL50 > 10000 mg/L
Danio rerio 96 hr LL0 = 10000 mg/LDaphnia magna 48 hr EC50 > 100 mg/L (similar substance)
Desmodesmus subspicatus 72 hr EC50 > 14 mg/L (similar substance)

Aquatic Toxicity –Chronic- No data available.

Persistence and Degradation: No data available.

Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.
Other Adverse Effects: No data available.
Other Information: No data available.

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products 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.

14. TRANSPORT INFORMATION

US DOT

UN Identification Number	Not regulated
Proper Shipping Name	Not available
Hazard Class and Packing Group	Not available
Shipping Label	Not available
Placard / Bulk Package	Not available
Emergency Response Guidebook Guide Number	Not available

IATA Cargo

UN Identification Number	Not regulated
Shipping Name / Description	Not available
Hazard Class and Packing Group	Not available
ICAO Label	Not available
Packing Instructions Cargo	Not available
Max Quantity Per Package Cargo	Not available

IATA Passenger

UN Identification Number	Not regulated
Shipping Name / Description	Not available
Hazard Class and Packing Group	Not available
ICAO Label	Not available
Packing Instructions Passenger	Not available
Max Quantity Per Package	Not available

IMDG

UN Identification Number	Not regulated
Shipping Name / Description	Not available
Hazard Class and Packing Group	Not available
IMDG Label	Not available
EmS Number	Not available
Marine Pollutant	Not available

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard

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

U.S. Federal, State, and Local Regulatory Information

U.S. Toxic Substances Control Act
All components are on the U.S. EPA TSCA Inventory List
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)
This product is not listed as a CERCLA substance.

SARA Section 313- Supplier Notification
This product does not contain any toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312
Immediate Hazard (Acute) - Yes
Delayed Hazard (Chronic) – Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No
Section 302 extremely hazardous substance (40 CRF 355, Appendix A)-No
Drug Enforcement Administration (DEA) (21 CFR1308.11-15)-Not controlled

State regulations WARNING: This product contains chemical(s) known to the State of California to cause cancer.
US - California Hazardous Substances (Director's):
Calcium Hydroxide (CAS# 1305-62-0)
Magnesium oxide (CAS# 1309-48-4)
US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT):
Quartz (CAS# 14808-60-7)
US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
Quartz (CAS# 14808-60-7) Listed: October 1, 1988 Carcinogenic.
US - New Jersey RTK - Substances: Listed substance
Calcium Hydroxide (CAS# 1305-62-0)
Calcium sulfate dihydrate (CAS# 13397-24-5)
Limestone (CAS# 1317-65-3)
Magnesium oxide (CAS# 1309-48-4)
Portland cement (CAS# 65997-15-1)
Quartz (CAS# 14808-60-7)
US - Pennsylvania RTK - Hazardous Substances: Listed substance
Calcium Hydroxide (CAS# 1305-62-0)
Calcium sulfate dihydrate (CAS# 13397-24-5)
Limestone (CAS# 1317-65-3)
Magnesium oxide (CAS# 1309-48-4)
Portland cement (CAS# 65997-15-1)
Quartz (CAS# 14808-60-7)
US. Massachusetts RTK - Substance List
Calcium Hydroxide (CAS# 1305-62-0)
Calcium sulfate dihydrate (CAS# 13397-24-5)
Limestone (CAS# 1317-65-3)
Magnesium oxide (CAS# 1309-48-4)
Portland cement (CAS# 65997-15-1)
Quartz (CAS# 14808-60-7)

Canadian Regulatory Information
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status
Controlled

WHMIS classification
D2A - Other Toxic Effects-VERY TOXIC
E – Corrosive

WHMIS labeling

Inventory status	Country(s) or region Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

**A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)*

16. OTHER INFORMATION

Further information A HMIS® Health rating including an * indicates a chronic hazard
HMIS® ratings
Health: 3*
Flammability: 0
Physical hazard: 0

NFPA ratings
Health: 3
Flammability: 0
Instability: 0

Version:
2016.01.20
Issue Date:
1/20/2015
Prior Issue Date:
5/26/2015

Description of Revisions
Revise to meet Globally Harmonized System for chemical hazard communication requirements pursuant to OSHA regulatory revisions 77 FR 17884, March 26, 2012.

Notice to reader

While the information provided in this safety data sheet is believed to provide a useful summary of the hazards of Portland cement as it is commonly used, the sheet cannot anticipate and provide all of the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product. In particular, the data furnished in this sheet do not address hazards that may be posed by other materials mixed with Portland cement to produce Portland cement products. Users should review other relevant material safety data sheets before working with this Portland cement or working on Portland cement products, for example, Portland cement concrete.

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Abbreviations
ACGIH — American Conference of Governmental Industrial Hygienists
CAS#— Chemical Abstract Service
CERCLA — Comprehensive Emergency Response and Comprehensive Liability Act
CFR — Code of Federal Regulations
DOT — Department of Transportation
GHS — Globally Harmonized System
HEPA — High Efficiency Particulate Air
IATA — International Air Transport Association
IARC — International Agency for Research on Cancer
IMDG — International Maritime Dangerous Goods
NIOSH — National Institute of Occupational Safety and Health
NOEC — No Observed Effect Concentration
NTP — National Toxicology Program
OSHA — Occupational Safety and Health Administration
PEL — Permissible Exposure Limit
REL — Recommended Exposure Limit
RQ — Reportable Quantity
SARA — Superfund Amendments and Reauthorization Act
SDS — Safety Data Sheet
TLV — Threshold Limit Value
TPQ — Threshold Planning Quantity
TSCA — Toxic Substances Control Act
TWA — Time-Weighted Average
UN — United Nations

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** End of Safety Data Sheet **