

# SAFETY DATA SHEET

## Argos Concrete Products



### 1. IDENTIFICATION

Product Identifier Concrete Products

Synonyms: Lintels, Concrete Block, Pavers, Precast Pipe, Precast Concrete, Storm Pipe, Sanitary Pipe, precast panels

Intended use of the product: Concrete products are used in a wide variety of applications in buildings and civil engineering projects.

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### 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 RE	Category 1	H372
Carcinogenicity	Category 1A	H350

#### Labeling Elements



Signal Word (GHS-US): Danger

Hazard Statements (GHS-US):

H314 - Causes severe skin burns and eye damage.  
H318 – Causes serious eye damage.  
H317 – May cause an allergic skin reaction.  
H372 - Causes damage to Lung through prolonged or repeated exposure Inhalation  
H350 – May cause cancer.

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.

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P270 – Do not eat, drink or smoke when using this product.  
 P272- Contaminated work clothing should not be allowed out of the workplace.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response  
 P301+P330+P331- If swallowed: Rinse mouth. Do not induce vomiting.  
 P303+361+353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse 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-Immediately call a poison center or doctor  
 P333+P313- If skin irritation or a rash occurs: Get medical advice/attention.  
 P363- Wash contaminated clothing before reuse.

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
Quartz	14808-60-7	0-90	Carc. 1A (H350) STOT RE 1 ( H372)
Calcium Hydroxide	1305-62-0	0-25	Skin Irr. 1C (H314) Eye Corr. 1 (H318)
Portland cement	65997-15-1	0-10	Skin Irr. 1C (H314) Eye Corr. 1 (H318) Skin Sens. 1 (H317) STOT SE 3 ( H335)

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

Small amounts of naturally occurring, but potentially harmful, chemical compounds might be detected during chemical analysis. These trace compounds might include heavy metals such as arsenic, cadmium, chromium, nickel and lead.

### 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. 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.

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Skin Contact	Remove contaminated clothing and shoes. Wash contaminated areas thoroughly with soap and water. Get medical attention if irritations or symptoms persist.
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.

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### Most Important Symptoms

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. May cause damage to lung through prolonged repeated exposure.

### 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.

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

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Avoid inhalation of dust. Avoid spread of dust. Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust at levels exceeding the exposure limits. See Section 8 for additional information.

### Environmental Precautions

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

### Containment and Clean-Up Methods

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.

## 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. Wash before eating, drinking and/or smoking. Wash thoroughly after handling.

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### Storage

Use care in handling/storage. Store in tightly closed original container in a well-ventilated place. Keep away from food, drink and animal feeding stuffs. Store in accordance with local/regional/national/international regulation. Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Calcium Hydroxide (CAS#1305-62-0)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable fraction)
USA OSHA Table Z-1 Limits for Air Contaminants	PEL (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable fraction) 15 mg/m <sup>3</sup> (total dust)
Canada. Alberta OELs	TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Canada. British Columbia OELs.	TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Canada. Ontario OELs	TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Canada. Quebec OELs	TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Mexico. Occupational Exposure Limit Values	TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

### Portland cement (CAS#65997-15-1)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/ m <sup>3</sup> (respirable fraction)
USA OSHA Table Z-1 Limits for Air Contaminants	PEL (mg/m <sup>3</sup> )	5 mg/ m <sup>3</sup> (respirable fraction) 15 mg/ m <sup>3</sup> (total dust)
USA OSHA Table Z-3	TWA (mppcf)	50 mppcf
Canada. Alberta OELs	TWA (mg/m <sup>3</sup> )	10 mg/ m <sup>3</sup>
Canada. British Columbia OELs.	TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (respirable fraction) 10 mg/m <sup>3</sup> (total dust)
Canada. Ontario OELs	TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Canada. Quebec OELs	TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable dust) 10 mg/m <sup>3</sup> (total dust)
Mexico. Occupational Exposure Limit Values	STEL (mg/m <sup>3</sup> ) TWA (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>

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### Quartz (CAS#14808-60-7)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
USA OSHA Table Z-1 Limits for Air Contaminants	PEL (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> Ca.
USA OSHA Table Z-3	PEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (respirable fraction) (%SiO <sub>2</sub> + 2); 30 mg/m <sup>3</sup> (total dust) (%SiO <sub>2</sub> + 2)
Canada. Alberta OELs	TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
Canada. British Columbia OELs.	TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
Canada. Ontario OELs	TWA (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (Inhalable)
Canada. Quebec OELs	TWA (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (respirable fraction)
Mexico. Occupational Exposure Limit Values	TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>

### Particles Not Otherwise Regulated (RR-00072-6)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total particulate) 3 mg/m <sup>3</sup> (respirable fraction)
USA OSHA Table Z-1 Limits for Air Contaminants	PEL (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total particulate) 5 mg/m <sup>3</sup> (respirable fraction)
Canada. Alberta OELs	TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 10 mg/m <sup>3</sup> (respirable dust)
Canada. British Columbia OELs.	TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust)
Canada. Ontario OELs	TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (Inhalable fraction)
Canada. Quebec OELs	TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume)
Mexico. Occupational Exposure Limit Values	TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume)

### Engineering Controls

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

### Personal Protective Equipment

Exposure	Equipment
Eye / Face	To prevent eye contact, wear safety glasses with side shields, safety goggles or face shields. Wearing contact lenses is not recommended. Wear a full-face respirator, if needed.
Skin	Wear suitable protective gloves to prevent cuts and abrasions. Leather or cotton gloves are recommended when handling this material.
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	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Comments
Appearance	Solid. Various forms and shapes	
Physical state	Solid	
Odor	Odorless	
Odor Threshold	Not available	
pH	Not available	
Melting / Freeze Point	Not available	
Boiling Point And Range	Not available	
Flash Point	Not available	
Evaporation Rate	Not available	
Flammability	Not available	
Flammability Limits	Not available	
Vapor Pressure	Not available	
Vapor Density	Not available	
Specific Gravity	2.5	
Solubility	Insoluble	
Partition Coefficient	Not available	
Autoignition Temperature	Not available	
Decomposition Temperature	Not available	
Viscosity	Not available	
Percent Volatiles	Not available	

### 10. STABILITY AND REACTIVITY

#### Reactivity

Not expected to be reactive.

#### 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. Exposure to moisture may affect product quality. The product is hygroscopic and will absorb water by contact with the moisture in the air.

#### Incompatible Materials

None known.

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### Hazardous Decomposition Products

None expected under normal conditions of use.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity (Inhalation LC50)

Calcium Hydroxide (CAS# 1305-62-0): No data available.

Quartz (CAS# 14808-60-7): No data available.

Portland cement (CAS# 65997-15-1) : >1 mg/L (rat, 4hr)

### Acute Toxicity (Oral LC50)

Calcium Hydroxide (CAS# 1305-62-0): LD50 = 7340 mg/kg rats

Quartz (CAS# 14808-60-7): Lethal dose > 15000 mg/kg; LD50 in rats is 500 mg/kg

Portland cement (CAS# 65997-15-1): No data available.

### Acute Toxicity (Dermal LC50)

Calcium Hydroxide (CAS# 1305-62-0): LD50 > 2500 mg/kg

Quartz (CAS# 14808-60-7): No data available.

Portland cement (CAS# 65997-15-1): 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:** Portland cement (CAS# 65997-15-1): is reported to cause dermatitis and skin sensitization after repeated exposure.

**Germ Cell Mutagenicity:** No data available.

**Carcinogenicity:** Crystalline silica has been classified by IARC, NTP and ACGIH as a known human carcinogen and suspected human carcinogen respectively.

### ACGIH Carcinogens:

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):** The EU Cement association classifies Portland cement (CAS# 65997-15-1): as Cat 3 for respiratory irritation based on a survey of the available literature.

**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.

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**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 Portland cement (Mixture)

Aquatic Toxicity- EC50350 mg/L (Exposure time: 48 h - Species: Daphnia)

Acute

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

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

Data for Component: Quartz (CAS# 14808-60-7)

Aquatic Toxicity- Daphnia magna 24 hr LL50 > 10000 mg/L

Acute : Danio rerio 96 hr LLO = 10000 mg/L

Desmodemus subspicatus 72 hr EC50 > 14 mg/L (similar substance)

Aquatic Toxicity- 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



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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

**Clean Air Act Section 112 (b): Hazardous Air Pollutants (HAPs)** — Not listed

**Clean Air Act Section 602: Class I Substances** — Not listed

**Clean Air Act Section 602: Class II Substances** — Not listed

**DEA List I Chemicals: (Precursor Chemicals)** — Not listed

**DEA List II Chemicals: (Essential Chemicals)** — Not listed

**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 contains the following 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:

Component name	Component ID	Typical level, %	De minimis % Limit*
Mercury	7439-97-6	0.00003	

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Lead	7439-92-1	0.0008	There are no <i>de minimis</i> levels for chemicals of special concern
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**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 CFR 355, Appendix A)-No**

**Section 311/312 (40 CFR 370)-No**

**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)

**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 - Massachusetts RTK - Substance: Listed substance**

Calcium Hydroxide (CAS 1305-62-0)

Portland cement (CAS# 65997-15-1)

Quartz (CAS# 14808-60-7)

**US - New Jersey RTK - Substances: Listed substance**

Calcium Hydroxide (CAS# 1305-62-0)

Portland cement (CAS# 65997-15-1)

Quartz (CAS# 14808-60-7) Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Calcium Hydroxide (CAS# 1305-62-0)

Portland cement (CAS# 65997-15-1)

Quartz (CAS# 14808-60-7) Listed.

**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

D2B - Other Toxic Effects-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)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

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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)

**Mexico regulations-** This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

### 16. OTHER INFORMATION

#### HMIS® ratings

Health: 3\*  
Flammability: 0  
Physical hazard: 0

#### NFPA ratings

Health: 3  
Flammability: 0  
Instability: 0

Version: 10/27/2023  
Issue Date 01/20/2016  
Prior Issue Date 08/18/2021

#### Description of Revisions

Revised Section 1 with new contact name.  
Revised Section 3 with updated percentage of calcium hydroxide and addition of statement regarding naturally occurring trace compounds.  
Revised format of Section 8.  
Revised Section 15

#### 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.

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY (**Argos USA LLC**), except that the product shall conform to contracted specifications. The information provided herein was believed by the (**Argos USA LLC**) to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to

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the safe handling and use of product and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or for non-delivery of product, and whether based on contract, breach of warranty, negligence, or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

### **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

### **Disclaimer Statement**

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

\*\* End of Safety Data Sheet \*\*