

SAFETY DATA SHEET

Argos Hydrated Lime



1. IDENTIFICATION

Product Identifier	Hydrated Lime
Synonyms:	Hydrated Lime, Slaked Lime, Dolomitic Hydrated lime, Lime, Caustic lime, Lime Hydrate, Calcium Hydroxide, Calcium Dihydroxide, Calcium magnesium Hydroxide, Type N Lime, Type S Lime
Intended use of the product:	Hydrated lime is used as an additive for mortar, cement, concrete and concrete products. It is also used in soil stabilization, as an anti-stripping agent in asphalt, for pH adjustment, and in other products that are widely used in construction.
Contact:	Argos USA LLC 3015 Windward Plaza Suite 300 Alpharetta, GA 30005 brad.kinckiner@summit-materials.com Contact Person: Brad Kinckiner
Contact Information:	CHEMTREC EMERGENCY TELEPHONE NUMBER (24 hrs): (800)424-9300 COMPANY CONTACT (business hours): (843) 833-1431 (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 2	H315
Skin Sensitization	Category 1	H317
Serious Eye Damage/Eye Irritation	Category 1	H318
Carcinogenicity	Category 1A	H350

Labeling Elements



Signal Word (GHS-US): Danger

Hazard Statements (GHS-US):
H315 – Causes skin Irritation
H317 – May cause an allergic skin reaction.
H318 – Causes serious eye damage.
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 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P264 - Wash thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves.
Response	P302+P352 – IF ON SKIN: Wash with plenty of water.

SAFETY DATA SHEET

Argos Hydrated Lime



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.
 P362+P364 – Take off contaminated clothing and wash 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
Calcium Hydroxide	1305-62-0	50-95	Skin Irrit. 2, H315 Serious Eye Damage 1, H318
Magnesium Hydroxide	1309-42-8	0-50	Skin Sensitizer 1, H317
Calcium Oxide	1305-78-8	0-5	Skin Corrosive 1, H314 Serious Eye Damage 1, H318 STOT SE – Respiratory Irrit 3, H335
Magnesium Oxide	1309-48-4	0-5	Not Classified
Limestone	1317-65-3	0-3	Not Classified
Quartz	14808-60-7	0-1	Carcinogenicity 1A, H350 STOT RE 1, H372

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. 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.

SAFETY DATA SHEET

Argos Hydrated Lime



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.

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.

SAFETY DATA SHEET

Argos Hydrated Lime



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

Calcium Hydroxide (CAS#1305-62-0)

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

Calcium Oxide (CAS#1305-78-8)

USA ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³ (respirable fraction)
USA OSHA Table Z-1 Limits for Air Contaminants	PEL (mg/m ³)	5 mg/m ³
Canada. Alberta OELs	TWA (mg/m ³)	2 mg/m ³
Canada. British Columbia OELs.	TWA (mg/m ³)	2 mg/m ³
Canada. Ontario OELs	TWA (mg/m ³)	2 mg/m ³
Canada. Quebec OELs	TWA (mg/m ³)	2 mg/m ³
Mexico. Occupational Exposure Limit Values	TWA (mg/m ³)	2 mg/m ³

Limestone (CAS#1317-65-3)

SAFETY DATA SHEET

Argos Hydrated Lime



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

Magnesium oxide (CAS#1309-48-4)

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

Quartz (CAS#14808-60-7)

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

Particles Not Otherwise Regulated (RR-00072-6)

USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ (total particulate) 3 mg/m ³ (respirable fraction)
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SAFETY DATA SHEET

Argos Hydrated Lime



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

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. Wearing contact lenses when working with cement is not recommended.
Skin	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information. Use barrier creams to prevent skin contact.
Respiratory	Wear respirator with dust filter. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.
General Hygiene considerations	Provide eyewash station and safety shower. When using, do not eat, drink or smoke. Wash hands after handling. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

SAFETY DATA SHEET

Argos Hydrated Lime



Property	Value	Comments
Flammability	Not available	
Flammability Limits	Not available	
Vapor Pressure	Not available	
Vapor Density	Not available	
Specific Gravity	2-3	
Solubility	Negligible	
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: 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)

Calcium Hydroxide (CAS# 1305-62-0): No data available
Magnesium Hydroxide (CAS# 1309-42-8): LC50 > 2.1 mg/L air 4 hr (Dust)
Calcium oxide (CAS# 1305-78-8): > 160 mg/m³ 4 hr (Similar substance)
Limestone (CAS# 1317-65-3): LC50 > 3 mg/L (rat, 4 hr) (Similar substance)
Magnesium oxide (CAS# 1309-48-4): No data available
Quartz (CAS# 14808-60-7): No data available

Acute Toxicity (Oral LC50)

SAFETY DATA SHEET

Argos Hydrated Lime



Calcium Hydroxide (CAS# 1305-62-0): LD50 7340 mg/kg (rat)
Magnesium Hydroxide (CAS# 1309-42-8): LD50 > 2000 mg/kg (rat), LD50 8500 mg/kg (rat)
Calcium oxide (CAS# 1305-78-8): LD50 > 2000 mg/kg (rat)
Limestone (CAS# 1317-65-3): LD50 6450 mg/kg (rat) (similar substance)
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)

Calcium Hydroxide (CAS# 1305-62-0): LD50 > 2500 mg/kg (rat)
Magnesium Hydroxide (CAS# 1309-42-8): No data available
Calcium oxide (CAS# 1305-78-8): LD50 > 5000 mg/kg (rabbit)(similar substance)
Limestone (CAS# 1317-65-3): LD50 > 2000 mg/kg (Similar substance)
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.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: Crystalline silica has been classified by IARC as a known human carcinogen.

ACGIH Carcinogens

Magnesium oxide (CAS# 1309-48-4): 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): Calcium oxide, Magnesium oxide; 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.

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.

SAFETY DATA SHEET

Argos Hydrated Lime



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.

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: Hydrated Lime

Aquatic Toxicity- Acute Fish 96 hr LC50= 139.7305 mg/l

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 oxide (CAS#1305-78-8)

Aquatic Toxicity-Acute Cyprinus carpio 96 hr LC50 = 1070 mg/L

Aquatic Toxicity-Chronic Tilapia nilotica 46 days NOEC = 100 mg/L

Data for Component: limestone (CAS# 1317-65-3)

Aquatic Toxicity- Acute Oncorhynchus mykiss 96 hr LC50 > 100 mg/L (similar substance)
Daphnia magna 48 hr EC50 > 100 mg/L (similar substance)

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/L Daphnia magna 48 hr EC50 > 100 mg/L (similar substance)
Desmodemus 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.

SAFETY DATA SHEET

Argos Hydrated Lime



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 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, %	<i>De minimis</i> % Limit*
Mercury	7439-97-6	0.00003	There are no <i>de minimis</i> levels for chemicals of special concern
Lead	7439-92-1	0.0008	

SAFETY DATA SHEET

Argos Hydrated Lime



*This product may contain trace amounts of naturally occurring toxic chemicals eligible for the de minimis reporting requirements including: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Manganese, Nickel, Selenium, Silver, Thallium, Zinc.

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

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

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)

Calcium oxide (CAS# 1305-78-8)

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 - Massachusetts RTK - Substance: Listed substance

Calcium Hydroxide (CAS# 1305-62-0)

Calcium oxide (CAS# 1305-78-8)

Limestone (CAS# 1317-65-3)

Magnesium oxide (CAS# 1309-48-4)

Quartz (CAS# 14808-60-7)

US - New Jersey RTK - Substances: Listed substance

Calcium Hydroxide (CAS# 1305-62-0)

Calcium oxide (CAS# 1305-78-8)

Limestone (CAS# 1317-65-3)

Magnesium oxide (CAS# 1309-48-4)

Quartz (CAS# 14808-60-7)

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Calcium Hydroxide (CAS# 1305-62-0)

Calcium oxide (CAS# 1305-78-8)

Limestone (CAS# 1317-65-3)

Magnesium oxide (CAS# 1309-48-4)

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

SAFETY DATA SHEET

Argos Hydrated Lime



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)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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: 1

NFPA ratings

Health: 3

Flammability: 0

Instability: 1

Version: 02 Feb 2024

Issue Date: 01 Nov 2016

Prior Issue Date: 27 Oct 2023

Description of Revisions

Revised Section 1 with new contact name.

Notice to reader

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SAFETY DATA SHEET

Argos Hydrated Lime



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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 **