

BID/PROPOSAL

COMMODITY: HYDRATED LIME SUPPLY & DELIVERY DATE: 4/22/2024

FORMAL BID NO. _____ PUBLIC BID NO. 101373

BIDS ARE TO BE RECEIVED IN URI PURCHASING DEPARTMENT BY: DATE: 5/20/2024 TIME: 2:00 PM
Eastern Time

BUYER: ANDREA BOUCHER/dz SURETY REQUIRED: YES: _____ NO: X

PRE-BID/PROPOSAL CONFERENCE: DATE: _____ TIME: _____

MANDATORY: YES: _____ NO: _____

LOCATION: _____

Questions concerning this solicitation must be received by: DATE: 5/3/2024 TIME: 12:00 PM

Questions are to be submitted in a *Microsoft Word* document to: URIPurchasing@uri.edu

Please reference the Bid Number on all correspondence. Questions received, if any, will be posted on the internet as an addendum to the bid. It is the responsibility of all interested parties to download this information.

For Bid Solicitation Information visit: <http://web.uri.edu/purchasing/bid-information/>

STATEMENT REGARDING COVID-19

Effective immediately, we are suspending all in-person public bid openings until further notice.

Public Bid responses will be publicly read via Webex video conferencing. To participate in the bid opening, please visit the following site at the scheduled bid opening date and time:

* URL: <https://univofri.webex.com/meet/uripurchasing>

**No offer will be considered that is not accompanied by the attached
University of Rhode Island Bidder Certification Form/Contract Offer
completed and signed by the offeror.**

COMPANY NAME: _____

STREET AND NUMBER: _____

CITY, STATE & ZIP CODE: _____

Print Name and Title

Telephone Number/Facsimile Number

Signature

Date

E-mail address

THIS BID WILL NOT BE HONORED UNLESS SIGNED

University of Rhode Island Bidder Certification Form
State of Rhode Island Procurement Regulations

ALL OFFERS ARE SUBJECT TO THE REQUIREMENTS, PROVISIONS AND PROCEDURES CONTAINED IN THIS CERTIFICATION FORM. Offerors are expected to read, sign and comply with all requirements. Failure to do so may be grounds for disqualification of the offer contained herein.

Rules for Submitting Offers

This Certification Form must be attached in its entirety to the front of the offer and shall be considered an integral part of each offer made by a vendor to enter into a contract with the University of Rhode Island. As such, submittal of the entire Bidder Certification Form, signed by a duly authorized representative of the offeror attesting that he/she (1) has read and agrees to comply with the requirements set forth herein and (2) to the accuracy of the information provided and the offer extended, is a mandatory part of any contract award.

To assure that offers are considered on time, each offer must be submitted with the specific Bid/RFP/LOI number, date and time of opening marked in the upper left hand corner of the envelope. Each bid/offer must be submitted in separate sealed envelopes.

A complete signed (in ink) offer package must be delivered to the University of Rhode Island Purchasing Office by the time and date specified for the opening of responses in a sealed envelope.

Bid responses must be submitted on the URI bid solicitation forms provided, indicating brand and part numbers of items offered, as appropriate. Bidders must submit detailed cuts and specs on items offered as equivalent to brands requested WITH THE OFFER. Bidders must be able to submit samples if requested.

Documents misdirected to other State or University locations or which are not present in the University of Rhode Island Purchasing Office at the time of opening for whatever cause will be deemed to be late and will not be considered. For the purposes of this requirement, the official time and date shall be that of the time clock in the reception area of the University of Rhode Island Purchasing Office. Postmarks shall not be considered proof of timely submission.

RIVIP SOLICITATIONS. To assure maximum access opportunities for users, public bid solicitations shall be posted on the RIVIP for a minimum of seven days and no amendments shall be made within the last five days before the date an offer is due. Except when access to the Web Site has been severely curtailed and it is determined by the Purchasing Agent that special circumstances preclude extending a solicitation due date, requests to mail or fax hard copies of solicitations will not be honored.

PRICING. Offers are irrevocable for sixty (60) days from the opening date (or such other extended period set forth in the solicitation), and may not be withdrawn, except with the express permission of the University Purchasing Agent. All pricing will be considered to be firm and fixed unless otherwise indicated. The University of Rhode Island is exempt from Federal excise taxes and State Sales and Use Taxes. Such taxes shall not be included in the bid price.

ALL PRICES QUOTED ARE FOB DESTINATION.

DELIVERY and PRODUCT QUALITY. All offers must define delivery dates for all items; if no delivery date is specified, it is assumed that immediate delivery from stock will be made. The contractor will be responsible for delivery of materials in first class condition. Rejected materials will be at the vendor's expense.

PREVAILING WAGE, OSHA SAFETY TRAINING and APPRENTICESHIP REQUIREMENTS. Bidders must comply with the provisions of the Rhode Island labor laws, including R.I. Gen. Laws §§ 37-13-1 et seq. and occupational safety laws, including R.I. Gen. Laws §§ 28-20-1 et seq. These laws mandate for public works construction projects the payment of prevailing wage rates, the implementation and maintenance of occupational safety standards, and for projects with a minimum value of \$1 Million, the employment of apprentices. The successful Bidder must submit certifications of compliance with these laws from each of its subcontractors prior to their commencement of any work. Prevailing wage rates, apprenticeship requirements, and other workforce and safety regulations are accessible at www.dlt.ri.gov.

PUBLIC RECORDS. Offerors are advised that all materials submitted to the University for consideration in response to this solicitation will be considered without exception to be Public Records pursuant to Title 38 Chapter 2 of the Rhode Island General Laws, and will be released for inspection immediately upon request once an award has been made. Offerors are encouraged to attend public bid/RFP openings to obtain information; however, bid/RFP response summaries may be reviewed after award(s) have been made by visiting the Rhode Island Vendor Information Program (RIVIP) at www.purchasing.ri.gov > Solicitation Opportunities > Other Solicitation Opportunities. Telephone requests for results will not be honored. Written requests for results will only be honored if the information is not available on the RIVIP.

Award will be made to the responsive and responsible offeror quoting the lowest net price in accordance with specifications, for any individual item(s), for major groupings of items, or for all items listed, at the University's sole option.

BID SURETY. Where bid surety is required, bidder must furnish a bid bond or certified check for 5% of the bid total with the bid, or for such other amount as may be specified. Bids submitted without a required bid surety will not be considered.

SPECIFICATIONS. Unless specified “no substitute”, product offerings equivalent in quality and performance will be considered (at the sole option of the University) on the condition that the offer is accompanied by detailed product specifications. Offers which fail to include alternate specifications may be deemed nonresponsive.

VENDOR AUTHORIZATION TO PROCEED. When a purchase order, change order, contract/agreement or contract/agreement amendment is issued by the University of Rhode Island, no claim for payment for services rendered or goods delivered contrary to or in excess of the contract terms and scope shall be considered valid unless the vendor has obtained a written change order or contract amendment issued by the University of Rhode Island Purchasing Office PRIOR to delivery.

Any offer, whether in response to a solicitation for proposals or bids, or made without a solicitation, which is accepted in the form of an order OR pricing agreement made in writing by the University of Rhode Island Purchasing Office, shall be considered a binding contract.

REGULATIONS, GENERAL TERMS AND CONDITIONS GOVERNING STATE AND THE UNIVERSITY OF RHODE ISLAND CONTRACTS. This solicitation and any contract or purchase order arising from it are issued in accordance with the specific requirements described herein, and the State’s [Purchasing Laws](#) and the [RI Division of Purchases Procurement Regulations and General Conditions of Purchase](#).

EQUAL EMPLOYMENT OPPORTUNITY. Compliance certificate and agreement procedures will apply to all awards for supplies or services valued at \$10,000 or more. Minority Business Enterprise policies and procedures, including subcontracting opportunities as described in Title 37 Chapter 14.1 of the Rhode Island General Laws also apply.

PERFORMANCE BONDS. Where indicated, successful bidder must furnish a 100% performance bond and labor and payment bond for contracts subject to Title 37 Chapters 12 and 13 of the Rhode Island General Laws. All bonds must be furnished by a surety company authorized to conduct business in the State of Rhode Island. Performance bonds must be submitted within 21 calendar days of the issuance of a tentative notice of award.

DEFAULT and NON-COMPLIANCE Default and/or non-compliance with the requirements and any other aspects of the award may result in withholding of payment(s), contract termination, debarment, suspension, or any other remedy necessary that is in the best interest of the state/University of Rhode Island.

COMPLIANCE Vendor must comply with all applicable federal, state and local laws, regulations and ordinances.

SPRINKLER IMPAIRMENT AND HOT WORK. The Contractor agrees to comply with the practices of the State’s Insurance carrier for sprinkler impairment and hot work. Prior to performing any work, the Contractor shall obtain the necessary information for compliance from the Risk Management Office at the Department of Administration or the Risk Management Office at the University of Rhode Island.

Each bid proposal for a *public works project* must include a “public copy” to be available for public inspection upon the opening of bids. **Bid Proposals that do not include a copy for public inspection will be deemed nonresponsive.**

For further information on how to comply with this statutory requirement, see [R.I. Gen. Laws §§ 37-2-18\(b\) and \(j\)](#). Also see State of Rhode Island Procurement Regulation 5.11 at : <https://ridop.ri.gov/about-us/procurement-statutes-and-regulations>

SECTION 2 – DISCLOSURES

ALL CONTRACT AWARDS ARE SUBJECT TO THE FOLLOWING DISCLOSURES & CERTIFICATIONS

Offerors must respond to every disclosure statement. A person authorized to enter into contracts must sign the offer and attest to the accuracy of all statements.

Indicate Yes (Y) or No (N):

____ 1 State whether your company, or any owner, stockholder, officer, director, member, partner, or principal thereof, or any subsidiary or affiliated company, has been subject to suspension or debarment by any federal, state, or municipal government agency, or the subject of criminal prosecution, or convicted of a criminal offense with the previous five (5) years. If Yes, then provide details below.

____ 2 State whether your company, or any owner, stockholder, officer, director, member, partner, or principal thereof, or any subsidiary or affiliated company, has had any contracts with a federal, state or municipal government agency terminated for any reason within the previous five (5) years. If Yes, then provide details below.

____ 3 State whether your company or any owner, stockholder, officer, director, member, partner, or principal thereof, or any subsidiary or affiliated company, has been fined more than \$5000 for violation(s) of Rhode Island environmental laws by the Rhode Island Department of Environmental Management within the previous five (5) years. If Yes, then provide details below.

____ 4 State whether any officer, director, manager, stockholder, member, partner, or other owner or principal of the Bidder is serving or has served within the past two calendar years as either an appointed or elected official of any state governmental authority or quasi-public corporation, including without limitation, any entity created as a legislative body or public or state agency by the general assembly or constitution of this state. If Yes, then provide details below.

IF YOU HAVE ANSWERED “YES” TO QUESTIONS #1 – 4 PROVIDE DETAILS/EXPLANATION IN AN ATTACHED STATEMENT. INCOMPLETE CERTIFICATION FORMS SHALL BE GROUNDS FOR DISQUALIFICATION OF OFFER.

SECTION 3 - OWNERSHIP DISCLOSURE

Vendors must provide all relevant information. Bid proposals submitted without a complete response may be deemed nonresponsive.

If the vendor is privately held, the vendor shall provide ownership information below.

List each officer, director, manager, stockholder, member, partner, or other owner or principle of the Bidder, and each intermediate parent company and the ultimate parent company of the Bidder. For each individual, provide his or her name, business address, principal occupation, position with the Vendor, and the percentage of ownership, if any, he or she holds in the Vendor, and each intermediate parent company and the ultimate parent company of the Vendor.

If the company is publicly held, the vendor may provide owner information about only those stockholders, members, partners, or other owners that hold at least 10% of the record or beneficial equity interests of the vendor; otherwise, complete ownership disclosure is required.

SECTION 4 - CERTIFICATIONS

Bidders must respond to every statement. Bid proposals submitted without a complete response may be deemed nonresponsive.

Indicate "Y" (Yes) or "N" (No), and if "No," provide details below.

THE VENDOR CERTIFIES THAT:

____ 1 I/we certify that I/we will immediately disclose, in writing, to the University Purchasing Agent any potential conflict of interest which may occur during the course of the engagement authorized pursuant to this contract.

____ 2 I/we acknowledge that, in accordance with (1) Chapter §37-2-54(c) of the Rhode Island General Laws "no purchase or contract shall be binding on the state or any agency thereof unless approved by the Department [of Administration] or made under general regulations which the Chief Purchasing Officer may prescribe," and (2) RIGL section §37-2-7(16) which identifies the URI Board of Trustees as a public agency and gives binding contractual authority to the University Purchasing Agent, including change orders and other types of contracts and under State Purchasing Regulation 8.2.B any alleged oral agreement or arrangements made by a bidder or contractor with any agency or an employee of the University of Rhode Island may be disregarded and shall not be binding on the University of Rhode Island.

____ 3 I/we certify that I or my/our firm possesses all licenses required by Federal and State laws and regulations as they pertain to the requirements of the solicitation and offer made herein and shall maintain such required license(s) during the entire course of the contract resulting from the offer contained herein and, should my/our license lapse or be suspended, I/we shall immediately inform the University of Rhode Island Purchasing Agent in writing of such circumstance.

____ 4 I/we certify that I/we will maintain required insurance during the entire course of the contract resulting from the offer contained herein and, should my/our insurance lapse or be suspended, I/we shall immediately inform the University of Rhode Island Purchasing Agent in writing of such circumstance.

____ 5 I/we certify that I/we understand that falsification of any information herein or failure to notify the University of Rhode Island Purchasing Agent as certified herein may be grounds for suspension, debarment and/or prosecution for fraud.

____ 6 I/we acknowledge that the provisions and procedures set forth in this form apply to any contract arising from this offer.

____ 7 I/we acknowledge that I/we understand the State's Purchasing Laws ([§37-2 of the General Laws of Rhode Island](#)) and the [RI Division of Purchases Regulations](#) apply as the governing conditions for any contract or purchase order I/we may receive from the University of Rhode Island, including the offer contained herein.

____ 8 I/we certify that the bidder: (i) is not identified on the General Treasurer's list, created pursuant to R.I. Gen. Laws § 37-2.5-3, as a person or entity engaging in investment activities in Iran described in § 37-2.5-2(b); and (ii) is not engaging in any such investment activities in Iran.

____ 9 If the product is subject to Department of Commerce Export Administration Regulations (EAR) or International Traffic in Arms Regulations (ITAR), please provide the Export Control Classification Number (ECCN) or the US Munitions List (USML)
Category: _____

____ 10 I/we certify that the above information is correct and complete.

IF YOU ARE UNABLE TO CERTIFY YES TO QUESTIONS #1 – 8 and 10 OF THE FOREGOING, PROVIDE DETAILS/EXPLANATION IN AN ATTACHED STATEMENT. INCOMPLETE CERTIFICATION FORMS SHALL BE GROUNDS FOR DISQUALIFICATION OF OFFER.

Signature below commits vendor to the attached offer and certifies (1) that the offer has taken into account all solicitation amendments where applicable, (2) that the above statements and information are accurate and that vendor understands and has complied with the requirements set forth herein.

Vendor/Company Name; _____

Vendor's Signature: _____ Bid Number: _____ Date: _____
(Person Authorized to enter into contracts; signature must be in ink) (if applicable)

Print Name and Title of Company official signing offer

COMMODITY: HYDRATED LIME SUPPLY & DELIVERY
OPENING DATE & TIME: 5/20/2024 @ 2:00 PM
BLANKET REQUIREMENTS: 7/1/2024 - 6/30/2027

SHIP TO:
URI FACILITIES SERVICES
BUSINESS OFFICE, 2ND FLOOR
SHERMAN BLDG., 60 TOOTELL ROAD
KINGSTON, RI 02881

BIDDER (NAME OF FIRM)

BIDDER (NAME OF FIRM)

BID NO: 101373

BID NO: 101373

ATTACHMENT "A"

ITEM NO.	DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	ITEM NO.
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INSTRUCTIONS:

IF BIDDING ON ANY ITEM, THE ENTIRE BID MUST BE RETURNED. THE PRICE COLUMN ON THE RIGHT WILL BE DETACHED TO CREATE A BID TABULATION SPREAD SHEET FOR THE "OFFICIAL BID ANALYSIS", THEREFORE:

- A. VENDOR NAME MUST APPEAR IN BOTH COLUMNS ON "EVERY" PAGE UNDER THE WORDS "BIDDER"
- B. PRICE COLUMNS MUST CONTAIN "EXACTLY" THE SAME INFORMATION.
- C. ANY SUPPLEMENTARY INFORMATION MUST BE REPEATED IN "BOTH" COLUMNS.
- D. TO ASSURE THAT OFFERS ARE CONSIDERED ON TIME, EACH OFFER MUST BE SUBMITTED WITH SPECIFIC BID/RFP NUMBER (PROVIDED ABOVE), DATE AND TIME OF OPENING MARKED IN THE UPPER LEFT HAND CORNER OF ENVELOPE. EACH BID/OFFER MUST BE SUBMITTED IN SEPARATE SEALED ENVELOPES:

MAIL TO:	COURIER:
UNIVERSITY OF RHODE ISLAND P.O. BOX 1773 PURCHASING DEPARTMENT KINGSTON, RI 02881	UNIVERSITY OF RHODE ISLAND PURCHASING DEPARTMENT DINING SERVICES DISTRIBUTION CENTER 10 TOOTELL ROAD KINGSTON, RI 02881-2010

DOCUMENTS MISDIRECTED TO OTHER STATE LOCATIONS OR WHICH ARE NOT PRESENT IN THE UNIVERSITY OF RHODE ISLAND PURCHASING DEPARTMENT AT THE TIME OF OPENING FOR WHATEVER CAUSE WILL BE DEEMED TO BE LATE AND WILL NOT BE CONSIDERED. FOR THE PURPOSE OF THIS REQUIREMENT, THE OFFICIAL TIME AND DATE SHALL BE THAT OF THE TIME CLOCK IN THE UNIVERSITY OF RHODE ISLAND PURCHASING DEPARTMENT. POSTMARKS SHALL NOT BE CONSIDERED PROOF OF TIMELY SUBMISSION.

FAILURE TO COMPLETE FORM AS INSTRUCTED MAY BE GROUNDS FOR "DISQUALIFICATION".

- GROUP PURCHASING ORGANIZATIONS (GPO):
THE UNIVERSITY OF RHODE ISLAND IS A MEMBER OF THE FOLLOWING:
- 1) Educational & Institutional Cooperative Purchasing (E&I)
 - 2) Provista

IF THIS IS A MULTI-YEAR BID/CONTRACT. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE UNIVERSITY. TERMINATION MAY BE EFFECTED BY THE UNIVERSITY BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE UNIVERSITY TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES AND SUBJECT TO AVAILABILITY OF FUNDS.

DELIVERY AS REQUESTED

DO NOT ATTACH QUOTES. QUOTATIONS SUBMITTED WITH BID RESPONSES WILL NOT BE CONSIDERED.
ALL BID RESPONSES ARE IN ACCORDANCE WITH THE ATTACHED BID SPECIFICATIONS AND THE STATE OF RHODE ISLAND PROCUREMENT REGULATIONS:
<https://ridop.ri.gov/about-us/procurement-statutes-and-regulations>

ATTACHMENT "A"

ITEM NO.	DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	ITEM NO.
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BLANKET REQUIREMENTS : 7/1/2024 - 6/30/2027

THE PRODUCT SHALL BE OF THE QUALITY FOR ADDITION TO POTABLE WATER TO RAISE THE PH. PRODUCT SHALL BE STORED IN A CLIMATE CONTROLLED AREA PRIOR TO DELIVERY AND PROTECTED FROM PESTS. DELIVERY SHALL INCLUDE PLACING PALLETS ON A CONCRETE PAD.

GRAYMONT BRAND HIGH CALCIUM HYDRATE OR APPROVED EQUAL PER ATTACHED SPECIFICATIONS.
VENDOR BIDDING ALTERNATE BRANDS MUST PROVIDE SPECIFICATIONS FOR REVIEW.

A COPY OF THE CERTIFICATE OF ANALYSIS (COA) MUST BE PROVIDED PRIOR TO, OR AT THE TIME OF EACH DELIVERY.

1	Hydrated Lime Price Per 50lb Bag - 7/1/2024 - 6/30/2025	800	EA	\$ _____	\$ _____	\$ _____	\$ _____	1
2	Hydrated Lime Price Per 50lb Bag - 7/1/2025 - 6/30/2026	800	EA	\$ _____	\$ _____	\$ _____	\$ _____	2
3	Hydrated Lime Price Per 50lb Bag - 7/1/2026 - 6/30/2027	800	EA	\$ _____	\$ _____	\$ _____	\$ _____	3

SPECIFICATIONS

ALL DIFFERENCES BETWEEN THE UNIVERSITY'S REQUIREMENT AND EACH VENDOR'S BID MUST BE CLEARLY NOTED, ITEM BY ITEM.
IF NO DIFFERENCES ARE NOTED, BID WILL BE CONSIDERED EXACT.

IF THE ITEM BEING BID IS OTHER THAN BRAND/MODEL SPECIFIED, BIDDERS MUST INCLUDE LITERATURE FOR THE ITEMS THEY ARE BIDDING. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED.

BLANKET BID

(A) A SINGLE PRICE SHALL BE QUOTED FOR EACH ITEM AGAINST WHICH A PROPOSAL IS SUBMITTED. THIS PRICE WILL BE THE MAXIMUM IN EFFECT DURING THE AGREEMENT PERIOD. ANY PRICE DECLINE AT THE MANUFACTURER'S LEVEL SHALL BE REFLECTED IN A REDUCTION OF THE AGREEMENT PRICE TO THE UNIVERSITY OF RHODE ISLAND. (B) QUANTITIES, IF ANY, ARE ESTIMATED ONLY. THE AGREEMENT SHALL COVER THE ACTUAL QUANTITIES ORDERING DURING THE PERIOD. DELIVERIES WILL BE BILLED AT THE SINGLE, FIRM, AWARDED UNIT PRICE QUOTED REGARDLESS OF THE QUANTITIES ORDERED. (C) BID PRICE IS NET F.O.B. DESTINATION AND SHALL INCLUDE INSIDE DELIVERY AT NO EXTRA COST. (D) BIDS FOR SINGLE ITEMS AND/OR A SMALL PERCENTAGE OF TOTAL ITEMS LISTED, MAY, AT THE STATE'S SOLE OPTION, BE REJECTED AS BEING NON-RESPONSIVE TO THE INTENT OF THIS REQUEST. ORDERING (A) THE UNIVERSITY OF RHODE ISLAND WILL SUBMIT INDIVIDUAL ORDERS FOR THE VARIOUS ITEMS AND VARIOUS QUANTITIES AS MAY BE REQUIRED DURING THE AGREEMENT PERIOD. (B) EXCEPTION - REGARDLESS OF ANY AGREEMENT RESULTING FROM THIS BID, THE UNIVERSITY OF RHODE ISLAND RESERVES THE RIGHT TO SOLICIT PRICES SEPARATELY FOR ANY EXTRA LARGE REQUIREMENTS FOR DELIVERY TO SPECIFIC DESTINATIONS.

ORDERING

(A) THE UNIVERSITY WILL SUBMIT INDIVIDUAL ORDERS FOR THE VARIOUS ITEMS AND VARIOUS QUANTITIES AS MAY BE REQUIRED DURING THE AGREEMENT PERIOD.

(B) EXCEPTION - REGARDLESS OF ANY AGREEMENT RESULTING FROM THIS BID, THE UNIVERSITY RESERVES THE RIGHT TO SOLICIT PRICES SEPARATELY FOR ANY EXTRA LARGE REQUIREMENTS FOR DELIVERY TO SPECIFIC DESTINATIONS.

QUANTITIES

QUANTITIES, IF ANY, ARE ESTIMATED ONLY. THE AGREEMENT SHALL COVER THE ACTUAL QUANTITIES ORDERED DURING THE PERIOD. DELIVERIES WILL BE BILLED AT THE SINGLE, FIRM, AWARDED UNIT PRICE QUOTED REGARDLESS OF THE QUANTITIES ORDERED.



TECHNICAL DATA SHEET

Produits de chaux et granulés calcaires/Lime and Limestone products
Eastern Region Office, 25 rue de Lauzon, Suite 206, Boucherville, QC, J4B 1E7, Canada 1 480 449-2262

HIGH CALCIUM HYDRATED LIME

Nominal size: 0 – 45 µm

Marbleton, Québec

PRODUCT DESCRIPTION

A fine white powder made by reacting quicklime with sufficient water to convert the calcium oxide (CaO) to calcium hydroxide (Ca(OH)₂).

TYPICAL CHEMICAL PROPERTIES

(ASTM C25, C1271, C1301)

Total Calcium Hydroxide (Ca(OH) ₂) (%)	95.2
Avail. Calcium Hydroxide (Ca(OH) ₂) (%)	93.8
Magnesium Oxide (MgO) (%)	1.0
Silica (SiO ₂) (%)	1.4
Ferric Oxide (Fe ₂ O ₃) (%)	0.2
Alumina (Al ₂ O ₃) (%)	0.3
Manganese Oxide (MnO) (ppm)	95
Total Sulfur (S) (%)	0.08
Loss on Ignition (%)	24.1
Calcium Carbonate (CaCO ₃) (%)	1.1
Moisture (H ₂ O) (%)	0.7

TYPICAL PHYSICAL PROPERTIES

(ASTM C110, C204)

Bulk Density	
A Loose / Packed, (kg/m ³)	352 / 545
A Loose / Packed, (lb/ft ³)	22 / 37
Residue retained on a 75-µm sieve (%)	5.2
Angle of Internal Friction, Φ (°)	52.1
Blaine Specific Surface (cm ² /g)	25275
BET Surface Area (m ² /g)	16.6
Pore Size (Å)	223
Pore Volume (cm ³ /g)	0.093
Volume Mean Diameter, D[4,3] (µm)	14.0
Median, D _{v50} (µm)	9.6

CLASSICAL REFERENCE DATA

(CRC Handbook of Chemistry and Physics, Boynton)

Specific Gravity	2.3 – 2.4
Solubility in Water (20 °C) (g/l)	1.65
pH (saturated solution) (25 °C)	12.454
Decomposition Temperature (°C)	580
Hardness (Mohs)	2 – 3
Specific Heat (0 °C) (cal/g·°C)	0.27
Heat of Solution (18 °C) (cal/mole)	2800

LASER PARTICLE SIZE DISTRIBUTION

(Mode: Wet Dispersion, Format: Volume)

Diameter (µm)	% Passing
100	100
75	100
45	95
25	85
20	79
10	62



WATER QUALITY

ANSI / NSF 60
DRINKING WATER TREATMENT CHEMICAL
<44 Y 4>

MAXIMUM USE LEVEL: 650 mg/l.

Meets ANSI/AWWA standard B202-19

NOTICE

The test data herein is based on average results on production samples. Product shipments are subject to normal variation. Accordingly, test data cannot be taken as establishing maximum or minimum specifications. Product Code: 2080 (Bulk)

**GRAYMONT****Certificate of Analysis**

Plant:	Marbleton	Report Date:	2021/03/04
Customer:	Madigan Lime Corp	Contact:	Kae
	150 Old Union Turnpike	Email:	jcm2067@aol.com
	Lancaster MA	Fax:	978-847-0068

Product Code:	2080	Beginning Date:	Shipment of March 02, 2021
Product Name:	High Calcium Hydrated Lime	Ending Date:	
Description:	Calcitic Hydrate	Lot #:	
Process:	400	Shipment #:	
Sampling Location:	Production		

Test Parameter	Measured Value	Unit of Measure	Specification
Total Carbon expressed as CO ₂	0.24	%	Max: 1.50
Total Sulfur	0.08	%	
Total Carbon	0.06	%	Max: 0.40
Available Lime (CaO)	71.58	%	Min: 68.00
Available Ca(OH) ₂	94.49	%	
Free Moisture at 115 - 120C	0.47	%	Max: 1.20
1000 C Loss on Ignition	24.26	%	Min: 23.00
Pass 0.045 mm	95.11	%	Min: 88.0
Specific Surface of the sample	27,360.00	cm ² /g	19,000 to 30,000

ADDITIONAL COMMENTSLab Manager / Supervisor: Manon Breton

Signature: _____



GRAYMONT

609727

Certificate of Analysis

Plant:	Marbleton	Report Date:	2020/08/04
Customer:	Madigan Lime Corp	Contact:	Kae
	450 Old Union Turnpike	Email:	jcm2067@aol.com
	Lancaster MA	Fax:	978-847-0068

Product Code:	2080	Beginning Date:	2020/07/23
Product Name:	High Calcium Hydrated Lime	Ending Date:	2020/07/29
Description:	Caldtic Hydrate	Lot #:	
Process:	400	Shipment #:	Shipment of July 30, 2020
Sampling Location:	Production		

Test Parameter	Measured Value	Unit of Measure	Specification
Total Carbon expressed as CO ₂	0.36	%	Max: 1.50
Total Sulfur	0.03	%	
Total Carbon	0.10	%	Max: 0.40
Available Lime (CaO)	72.25	%	Min: 68.00
Available Ca(OH) ₂	95.37	%	
Free Moisture at 115 - 120C	0.56	%	Max: 1.20
1000 C Loss on Ignition	24.26	%	Min: 23.00
Pass 0.045 mm	94.86	%	Min: 88.0
Specific Surface of the sample	25,634.50	cm ² /g	19,000 to 30,000

ADDITIONAL COMMENTS

Lab Manager / Supervisor: Mario Gagnon

Signature: _____



SAFETY DATA SHEET

HIGH CALCIUM HYDRATED LIME

Section 1. Identification

GHS product identifier : HIGH CALCIUM HYDRATED LIME
 Other means of identification : Hydrated Lime, Calcitic Hydrated Lime, Lime, Slaked lime, Lime Putty, Lime Slurry, Milk of Lime, Calcium Hydroxide.
 Product code : Not available.
 Product type : Solid.

Identified uses

Neutralization, floculation, stabilization, absorption.

Supplier/Manufacturer : GRAYMONT
 #200-10991 Shellbridge Way
 Richmond, BC V6X 3C6
 Canada
 Phone: 1 604 207-4292
 Toll free : 1 866 207-4292
 Fax: 1 604 207-9014
 Web Site: <http://www.graymont.com/>

Emergency telephone number (with hours of operation) : CANUTEC (613-996-6666)
 CHEMTREC, US (800-424-9300)
 INTERNATIONAL: (703-527-3887)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
 Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
 CARCINOGENICITY (inhalation) - Category 1A
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

GHS label elements

Hazard pictograms :



Signal word :

Danger

Hazard statements :

H318 - Causes serious eye damage.
 H315 - Causes skin irritation.
 H350 - May cause cancer if inhaled.
 H335 - May cause respiratory irritation.
 H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements



Section 2. Hazards identification

- Prevention** : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P281 - Use personal protective equipment as required.
P280 - Wear protective gloves. Wear eye or face protection.
P271 - Use only outdoors or in a well-ventilated area.
P260 - Do not breathe dust.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash hands thoroughly after handling.
- Response** : P314 - Get medical attention if you feel unwell.
P308 + P313 - IF exposed or concerned: Get medical attention.
P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
P302 + P352 + P362 + P363 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.
P332 + P313 - If skin irritation occurs: Get medical attention.
P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
- Storage** : P401 - Store to minimize dust generation.
- Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified (HNOC)

- Physical hazards not otherwise classified (PHNOC)** : None known.
- Health hazards not otherwise classified (HHNOC)** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Hydrated Lime, Calcitic Hydrated Lime, Lime, Slaked lime, Lime Putty, Lime Slurry, Milk of Lime, Calcium Hydroxide.

CAS number/other identifiers

- CAS number** : Not applicable.
- Product code** : Not available.

Ingredient name	%	CAS number
Calcium Hydroxide	90 - 100	1305-62-0
Crystalline silica, quartz	0.0001 - 1	14808-60-7

Crystalline silica has been found in some products at or above detection level 0.1%. Concentration is dependent upon limestone source.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- | | |
|---------------------|--|
| Eye 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 20 minutes. Chemical burns must be treated promptly by a physician. Get medical attention immediately. Call a poison center or physician. |
| Inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If 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. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Skin contact | : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. 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. Loosen tight clothing such as a collar, tie, belt or waistband. |

Most important symptoms/effects, acute and delayed

Potential acute health effects

- | | |
|---------------------|---|
| Eye contact | : Causes serious eye damage. |
| Inhalation | : May cause respiratory irritation. |
| Skin contact | : Causes skin irritation. |
| Ingestion | : No known significant effects or critical hazards. |

Over-exposure signs/symptoms

- | | |
|---------------------|--|
| Eye contact | : Adverse symptoms may include the following:
pain
watering
redness |
| Inhalation | : Adverse symptoms may include the following:
respiratory tract irritation
coughing
burning sensation |
| Skin contact | : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur |
| Ingestion | : Adverse symptoms may include the following:
burning sensation
abdominal cramps and pain
vomiting |

Section 4. First aid measures

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : No specific fire or explosion hazard.

- Hazardous thermal decomposition products** : None.

- Special protective actions for fire-fighters** : No special measures are required.

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Spill** : 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 in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.



Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

<p>Conditions for safe storage, including any incompatibilities</p>	<p>: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store to minimize dust generation. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>
--	--

Control parameters

United States

Occupational exposure limits

Ingredient name	Exposure limits
Calcium Hydroxide	<p>OSHA PEL (United States, 2/2013). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 4/2014). TWA: 5 mg/m³ 8 hours. NIOSH REL (United States, 10/2013). TWA: 5 mg/m³ 10 hours. MSHA PEL TWA 8/40 hours: 5 mg/m³</p>
Crystalline silica, quartz	<p>OSHA PEL Z3 (United States, 2/2013). TWA: 10 mg/m³ 8 hours. Form: Respirable TWA: 250 mppcf 8 hours. Form: Respirable NIOSH REL (United States, 10/2013). TWA: 0.05 mg/m³ 10 hours. Form: Respirable dust ACGIH TLV (United States, 4/2014). TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction MSHA PEL TWA 8/40 hours: 30 mg/m³/(%SiO₂)+2 mg/m³ Form: Total dust 10 mg/m³/(%SiO₂)+2 mg/m³ Form: Respirable dust</p>

Canada

[illegible]

Section 8. Exposure controls/personal protection

[3]Skin sensitization

Form: [a]Respirable fraction [b]Respirable particulate. [c]Respirable [d]Respirable dust

- Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Engineering controls may be required to control the primary or secondary risks associated with this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear an appropriate NIOSH approved respirator if concentration levels exceed the safe exposure limits.

Section 9. Physical and chemical properties

Appearance

- Physical state** : Solid. [Fine powder.]
- Color** : White.
- Odor** : Sweet, soil like odor.
- Odor threshold** : Not available.
- pH** : 12.45 [Sat. soln.] at 25°C
- Melting point** : Not available.



Section 9. Physical and chemical properties

Boiling point	: Not available.
Flash point	: Not applicable.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not applicable.
Lower and upper explosive (flammable) limits	: Not applicable.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 2.3 to 2.4
Solubility	: Not available.
Solubility in water	: 0.165 g/100 g at 20°C
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: 540°C (1004°F)
Viscosity	: Not available.
Volatility	: Not available.
VOC (w/w)	: 0 % (w/w)

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: None.
Conditions to avoid	: Do not allow quicklime to come into contact with incompatible materials, e.g. Water, acids, reactive fluoridated compounds, reactive brominated compounds, reactive powdered metals, organic acid anhydrides, nitro-organic compounds, reactive phosphorous compounds, interhalogenated compounds.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials and acids.
Hazardous decomposition products	: None.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Calcium Hydroxide	LD50 Oral	Rat	7340 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Calcium Hydroxide	Eyes - Severe Irritant	Rabbit	-	10 mg	-



Section 11. Toxicological information

Sensitization

There is no data available.

Carcinogenicity

Classification

Product/Ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Crystalline silica, quartz	-	1	Known to be a human carcinogen.	A2	-	+

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Calcium Hydroxide	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Crystalline silica, quartz	Category 1	Inhalation	kidneys, respiratory tract and testes

Aspiration hazard

There is no data available.

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eye contact : Causes serious eye damage.
 Inhalation : May cause respiratory irritation.
 Skin contact : Causes skin irritation.
 Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
 pain
 watering
 redness
 Inhalation : Adverse symptoms may include the following:
 respiratory tract irritation
 coughing
 burning sensation
 Skin contact : Adverse symptoms may include the following:
 pain or irritation
 redness
 blistering may occur
 Ingestion : Adverse symptoms may include the following:
 burning sensation
 abdominal cramps and pain
 vomiting

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Section 11. Toxicological information

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : Causes damage to organs through prolonged or repeated exposure.

Carcinogenicity : May cause cancer if inhaled. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Calcium Hydroxide	Acute LC50 33884.4 µg/L Fresh water	Fish - Clarias gariepinus - Fingerling	96 hours

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : 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. Waste should not be disposed of untreated 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 way. 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

Section 13. Disposal considerations

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

Section 14. Transport information

	DOT	TDG	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

AERG : Not applicable.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): Calcium Hydroxide is subject to inventory update reporting (IUR).
RCRA classification: Calcium Hydroxide is not listed or classified.
CWA-311: Calcium Hydroxide has been withdrawn from the Clean Water Act (CWA) list of hazardous substances. (11/13/79) (44FR65400).
CERCLA: Calcium Hydroxide is not listed.
FDA: Calcium Hydroxide has been determined as Generally Recognized As Safe (GRAS) by FDA. See 21CFR184.1205. (CFR Title 21 Part 184 - - Direct food substances affirmed as generally recognized as safe).

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

Section 15. Regulatory information

DEA List I Chemicals : Not listed
(Precursor Chemicals)

DEA List I Chemicals : Not listed
(Precursor Chemicals)

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Immediate (acute) health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Calcium Hydroxide Crystalline silica, quartz	90 - 100 0.0001 - 1	No. No.	No. No.	No. No.	Yes. No.	No. Yes.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Not listed	-	-
Supplier notification	Not listed	-	-

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed: Calcium Hydroxide; Crystalline silica, quartz
New York : None of the components are listed.
New Jersey : The following components are listed: Calcium Hydroxide; Crystalline silica, quartz
Pennsylvania : The following components are listed: Calcium Hydroxide; Crystalline silica, quartz

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Crystalline silica, quartz	Yes.	No.	No.	No.

Canada

Canadian lists

Canadian NPRI : None of the components are listed.
CEPA Toxic substances : None of the components are listed.
Canada Inventory : All components are listed or exempted.

International lists

National inventory



Section 15. Regulatory information

Australia	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Japan	: All components are listed or exempted.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 3 * Flammability : 0 Physical hazards : 1

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health : 3 Flammability : 0 Instability : 1

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

History

Date of issue mm/dd/yyyy : 04/15/2015
Version : 1
Prepared by : KMK Regulatory Services Inc.
Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

