

**CENTRALBIDDING**  
FROM CENTRAL AUCTION HOUSE

**5000120407 ONE TIME PURCHASE OF CEMENT GRAVEL AND SAND MIX**  
Jefferson Parish Government

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)  
21-Jul-2017 01:17:13 PM

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 1

DATE: 7/20/2017

BID NO.: 50-00120407

**JEFFERSON PARISH**

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

BUYER: DMEVANS@jeffparish.net

Bids will be received until 11:00 AM, 7/26/2017 via online at [www.jeffparishbids.net](http://www.jeffparishbids.net) or by hand delivery, USPS mail or other courier service to Purchasing Department, 200 Derbigny Street (General Government Building), Suite 4400, Gretna, LA 70053. For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only.

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law, as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647. A copy of these resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at [purchasing.jeffparish.net](http://purchasing.jeffparish.net) and clicking on On-line forms.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications. JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail.

JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE

PROTESTS: Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office as appropriate and a written response will be provided as soon as possible.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in the quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year warranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum.

All formal Addenda require written acknowledgment on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected; JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

**IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS**

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at [www.jeffparishbids.net](http://www.jeffparishbids.net) to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

**ADDITIONAL REQUIREMENTS FOR THIS BID**

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

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1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 7/20/2017

INVITATION TO BID  
THIS IS NOT AN ORDER

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BID NO.: 50-00120407

**JEFFERSON PARISH**

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR Coburn's Supply

BUYER: DMEVANS

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	<u>10-14 days</u>
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	_____
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	_____

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_  
 NUMBER: \_\_\_\_\_  
 NUMBER: \_\_\_\_\_  
 NUMBER: \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) \_\_\_\_\_

<b>*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***</b>	
FIRM NAME: Coburn's Supply Company	
SIGNATURE: (Must be signed here)	TITLE: OSR
PRINT OR TYPE NAME: Michael Self	
ADDRESS: 1849 Commercial Drive	
CITY, STATE: Harvey, LA	ZIP: 70058
TELEPHONE: ( 225 ) 369-3395	FAX: ( 504 ) 348-1095
EMAIL ADDRESS: mself@coburns.com	

TOTAL PRICE OF ALL BID ITEMS: \$ 5,313.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00120407

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	840.00	BG	<p>ONE TIME PURCHASE OF CEMENT GRAVEL MIX AND SAND MIX</p> <p>0010 - CEMENT, GRAVEL MIX, 80 LB BAG, 42 BAGS PER PALLET, QUIKCRETE #1101 Quoting Sakrete Concrete Mix 80#</p>	5.50	4,620.00
2	126.00	BG	<p>0010 - SAND MIX, 80# BAGS, 42 PER PALLET QUIKCRETE #1103 Quoting Ash Grove Sand Mix 80#</p>	5.50	693.00
			<p>DELIVER TO: EB WAREHOUSE 4901 JEFFERSON HWY JEFFERSON, LA 70121 ATTN: MARK BUTTERY PH#: 731-4648</p> <p>QUOTING AS ALL OR NONE TO ALLOW FOR FREIGHT</p>		



# JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni  
Parish President

Brenda C. Patel  
Director

## CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES

The East bank Office of Purchasing is now open! We are located in the Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Suite 404, Jefferson, LA 70123. Bidders may submit bid responses at this location, pending authorization in each bid package. **Bidders should carefully read and must respond accordingly per the requirements of the bid packages. NOTE: Bidders submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

### Other Changes Continued:

- For all advertised sealed bids, written evidence of signature authority must be included with bid submission.
- Current W9 Forms and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, a current W-9 form must be supplied upon contract execution, should you be awarded a contract and/or issued a purchase order.
- Upon contract execution, successful bidder must produce final insurance certificates per standard Jefferson Parish insurance requirements. Proof of insurance is required for bidding purposes. Bidders must read the insurance requirements attachment included in each bid package for specific instructions.

**Bidders should reference the "Additional Requirements" section of the bid instructions and/or the "Important Notice to Bidders" included in the bid package for specific requirements to respond accordingly.**

For more information, please call Jefferson Parish Purchasing at 504-364-2678.

General Government Bldg. – 200 Derbigny St – Suite 4400 – Gretna, LA 70053

Office 504.364.2678 – Fax 504.364.2693

Email: [Purchasing@jeffparish.net](mailto:Purchasing@jeffparish.net) Website: [www.jeffparish.net](http://www.jeffparish.net)

Client#: 2492

COBSUP

ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 11/10/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER: J. S. Edwards & Sherlock, Insurance Agency, LLP, P. O. 22237, Beaumont, TX 77720. CONTACT NAME: Ginny Johnson, PHONE: 409 832-7736, FAX: 409-833-1721, E-MAIL ADDRESS: genny@edwardsandsherlock.com. INSURER(S) AFFORDING COVERAGE: INSURER A: Liberty Insurance Corporation (NAIC # 42404), INSURER B: Liberty Mutual Fire Insurance C (NAIC # 23035).

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Table with columns: INSR LTR, TYPE OF INSURANCE, ADDL INSR, SUBR WVD, POLICY NUMBER, POLICY EFF (MM/DD/YYYY), POLICY EXP (MM/DD/YYYY), LIMITS. Rows include General Liability, Automobile Liability, Umbrella Liability, and Workers Compensation.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Certificate Holder Continued: Its Districts, Departments, Agencies under the direction of the Parish President and Parish Council Engineering Department

Resolution NO.: 125223

The General Liability & Auto Liability policies include a blanket automatic additional insured endorsement that provides additional insured status only when there is a written contract that requires such status.

(See Attached Descriptions)

CERTIFICATE HOLDER: The Parish of Jefferson, 1221 Elmwood Park Blvd., Ste. 802, New Orleans, LA 70123. CANCELLATION: SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE: Craig Sherlock

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## DESCRIPTIONS (Continued from Page 1)

Primary & Non-Contributory coverage is provided on a blanket basis when there is a written contract that requires such status with respects to the General Liability coverage. A Waiver of Subrogation is included on blanket basis with respects to the Workers' Compensation, General Liability & Auto Liability status only when there is a written contract that requires such status. Umbrella is written on follow form.



## packaging sand mix



### 1. Product Name

ASH GROVE® Sand Mix  
Product Number: 330

### 2. Manufacturer

ASH GROVE PACKAGING GROUP  
10809 Executive Center Drive, Ste. 321  
Little Rock, AR 72211  
Phone: (888) 289.1117  
Fax: (501) 224.3882  
[www.ashgrovepkg.com](http://www.ashgrovepkg.com)

### 3. Product Description

ASH GROVE® Sand Mix is ideal for patching and leveling concrete surfaces. ASH GROVE® Sand Mix is perfect as a bedding layer for flagstone or brick pavers, or as an overlay over existing concrete. It is specifically designed for any job requiring concrete applications less than 2" thick.

#### BASIC USE:

Recommended for construction or repairing of old concrete surfaces:

- Patching
- Leveling
- Overlayment
- Slabs
- Steps
- Pavers

#### COMPOSITION & MATERIALS:

ASH GROVE® Sand Mix is a uniformly blended mixture of portland cement, sand and other approved ingredients designed for general concrete repairs.

### 4. Advantages/Benefits

ASH GROVE® Sand Mix has several advantages including:

- High durability and impact resistant
- Easy to finish and cure
- Uniform aggregate sizes ensure easier mixing
- Thoroughly pre-blended mixture requires no dry mixing

### 5. Preparation

Remove all broken and loose concrete or foreign materials from the surface area to be repaired. Clean the surface thoroughly. Use a pressure washer to clean the surface, for best results. Coat the moistened and damaged surface with ASH GROVE® Bonding & Fortifier Admixture and allow to dry prior to overlay of Sand Mix.

### 6. Mixing Instructions

Pour sand mix into a wet mixing container. Add water slowly, mixing thoroughly until sand mix reaches a 'plastic-like' consistency. Avoid a 'soupy' mix; too much water will weaken the concrete. For ½" to 1" thick repairs, substitute

Ash Grove® Sand Mix

part of the mixing water with ASH GROVE® Bonding & Fortifier Admixture as an additive to improve bonding.

For large projects a concrete mixer is recommended. If a mixer is used, mix dry contents thoroughly with water for 5 minutes to achieve 'plastic-like' consistency.

### 7. Placement

Use a trowel to work the sand mix into the repair area. Apply additional sand mix as needed to build up surface to desired thickness. Level and smooth the surface using a steel trowel for a smooth finish. If a rougher finish is desired, use a broom or wooden float.

### 8. Curing

For proper curing keep the new surface covered and damp for five to seven days after patching and repair or simply apply ASH GROVE® Cure & Seal by spraying or rolling after the concrete surface has hardened but is still damp. If ASH GROVE® Cure & Seal is applied to the new surface then covering is not needed. (Note: ASH GROVE® Cure & Seal is not recommended for use under cold weather conditions.)

Properly moistened and cured concrete is stronger than air cured concrete. After concrete has cured, remove forms.

In cold weather, use warm water and protect concrete from freezing for at least 48 hours using plastic sheeting and insulation blankets if temperatures are expected to fall below 32° F.

### 9. Technical Information

#### ASTM SPECIFICATIONS:

- Meets requirements of ASTM C387 specifications when used as directed.

#### COMPRESSIVE STRENGTH:

- 7 days 3,000 psi (20.7 Mpa)
- 28 days 5,000 psi (34.5 Mpa)

### 10. Limitations

Adhering to recommended water additions is very important. Exceeding the maximum recommended water content per bag will result in inferior physical properties.

Sand mix will not bond well to wood, asphalt, or any other foreign substances.

A bonding agent such as ASH GROVE® Bonding & Fortifier Admixture is recommended for maximum adhesion to old concrete surfaces.

For applications of 2" or thicker, use ASH GROVE® Concrete Mix.



**packaging**  
**sand mix** (cont.)

Do not place when temperatures are below 40° F. In cold weather, use warm water and protect from freezing for 48 hours.

**11. Coverage**

One 80 lb. bag (36.29 kg) yields approximately 2/3 cu. ft.

2/3 cu. ft.      80 lb. bag (36.29 kg)

1/2 cu. ft.      60 lb. bag (27.22 kg)

1/12 cu. ft.     10 lb. box (4.54 kg)

**12. Warning**

ASH GROVE® Sand Mix contains portland cement and sand. Normal safety wear such as protective clothing, boots, rubber gloves, dust masks, eye safety glasses should be worn while handling cement-based products. Material Safety Data Sheets are available upon request or at [www.ashgrovepkg.com](http://www.ashgrovepkg.com).

**13. Limited Warranty**

This product meets or exceeds applicable ASTM C387 standards in force at the time of packaging. Packager, having no control over the use of the material, does not guarantee finished work. Replacement of any defective product or refund of the purchase price of defective product shall be the buyer's sole remedy under this warranty.

THIS LIMITED WARRANTY EXCLUDES ANY LIABILITY FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT OR SPECIAL DAMAGES.

EXCEPT FOR THE LIMITED WARRANTY MADE ABOVE, PACKAGER SPECIFICALLY DISCLAIMS AND EXCLUDES ANY OTHER EXPRESS WARRANTY, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF GOODS AND ANY IMPLIED WARRANTY OF FITNESS OF GOODS FOR ANY PARTICULAR PURPOSE.

**Ash Grove Packaging reserves the right to change specifications without notice.**

# Concrete Mixes

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 12/20/2013

Revision date: 01/21/2015

Version: 1.1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : Concrete Mix  
Crack-Resistant Concrete Mix  
Concrete 5000  
Sand Mix  
Pro Mix® Core Fill Grout  
Pro® KRT

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Construction materials.

#### 1.3. Details of the supplier of the safety data sheet

Precision Packaging Inc. or Materials Packaging Corporation  
10809 Executive Center, Suite 321  
Little Rock, AR 72211  
T 501-224-3372

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Acute toxicity 4 (Oral)  
Skin corrosion 1A  
Serious Eye Damage 1  
Skin Sensitization 1  
Carcinogenicity 1A  
Specific Target Organ Toxicity After Single Exposure 3  
Specific Target Organ Toxicity After Repeated Exposure 1

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US)



GHS05



GHS07



GHS08

Signal word (GHS-US)

Danger

Hazard statements (GHS-US)

Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause cancer. May cause respiratory irritation. Causes damage to lungs through prolonged or repeated exposure.

Prevention statements (GHS-US)

Read label before use. Keep out of reach of children. Do not get in eyes, on skin or on clothing. Do not breathe dust. Use the proper respirator, when necessary, to avoid injury. Wash exposed skin thoroughly after handling. Wear protective gloves, clothing, and eye and face protection.

Response statements (GHS-US)

If exposed or concerned: Get medical attention. If swallowed or in eyes: Immediately call a doctor. Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing and wash before reuse. Wash exposed skin with plenty of clean water and mild soap. If inhaled: Remove person to fresh air and keep comfortable for breathing.

Storage statements (GHS-US)

Use only outdoors or in a well-ventilated area.

Disposal statements (GHS-US)

Dispose of contents and container in accordance with all local, state, and federal regulations.

Supplemental Information

Read and Follow all precautions listed in the Safety Data Sheet available on request or at [Ashgrovepkg.com](http://Ashgrovepkg.com). Additional information on the selection and use of respirators can be found in the *NIOSH Respirator Selection Logic* (DHHS [NIOSH] Publication No. 2005-100) and the *NIOSH Guide to Industrial Respiratory Protection* (DHHS [NIOSH] Publication No. 87-116) available at <http://www.cdc.gov/niosh/docs/87-116/>.

This product contains greater than 0.1% crystalline silica. Crystalline silica has been linked to cancer, silicosis, and other lung problems in conditions of prolonged airborne over-exposure.

Keep product dry until use. Avoid contact with bleed water from wet product. Clothing saturated with wet product can result in delayed, serious alkali skin burns.

#### 2.3. Other hazards

Other hazards not contributing to the classification : Not applicable.

# Concrete Mixes

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

### 2.4. Unknown acute toxicity (GHS-US)

Concrete Mix: 12% of the mixture consists of ingredient(s) of unknown acute toxicity.  
Crack-Resistant Concrete Mix: 14% of the mixture consists of ingredient(s) of unknown acute toxicity.  
Concrete 5000: 15% of the mixture consists of ingredient(s) of unknown acute toxicity.  
Sand Mix: 18% of the mixture consists of ingredient(s) of unknown acute toxicity.  
Pro Mix® Core Fill Grout: 11% of the mixture consists of ingredient(s) of unknown acute toxicity.  
Pro® KRT: 19% of the mixture consists of ingredient(s) of unknown acute toxicity.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.

### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Quartz	(CAS No) 14808-60-7	60 - 100	Acute Tox. 4 (Oral), H302 Carc. 1A, H350 STOT RE 1, H372
Cement, portland, chemicals	(CAS No) 65997-15-1	7 - 20	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Ashes, residues	(CAS No) 68131-74-8	0.5 - 7 <sup>1</sup>	Not classified
Gypsum (Ca(SO <sub>4</sub> ).2H <sub>2</sub> O)	(CAS No) 13397-24-5	0.5 - 2	Not classified
Magnesium oxide	(CAS No) 1309-48-4	0.5 - 2	Not classified
Limestone	(CAS No) 1317-65-3	0.5 - 1.5	Not classified
Calcium oxide	(CAS No) 1305-78-8	0.5 - 1.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Sodium hydroxide	(CAS No) 1310-73-2	≤ 1 <sup>2</sup>	Skin Corr. 1A, H314
Glass, oxide, chemicals	(CAS No) 65997-17-3	≤ 1 <sup>2</sup>	Carc. 2, H351

<sup>1</sup> Concrete 5000; Sand Mix; Pro Mix® Core Fill Grout  
<sup>2</sup> Crack-Resistant Concrete Mix

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.
- First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Get immediate medical advice/attention.
- First-aid measures after eye contact : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory tract irritation.
- Symptoms/injuries after skin contact : Causes severe skin burns. Symptoms may include redness, pain, blisters. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. May cause sensitisation by skin contact.
- Symptoms/injuries after eye contact : Causes serious eye damage. May cause burns. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/injuries after ingestion : Harmful if swallowed. May cause stomach distress, nausea or vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Treat for surrounding material.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Product does not burn; however its packaging may. Products of combustion may include, and are not limited to: oxides of carbon.

### 5.3. Advice for firefighters

Firefighting instructions : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

# Concrete Mixes

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid contact with skin and eyes.

#### 6.2. Methods and material for containment and cleaning up

For containment : Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Vacuum or sweep material and place in a disposal container. Provide ventilation.

#### 6.3. Reference to other sections

No additional information available.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid generating and breathing dust. Do not swallow. Good housekeeping is important to prevent accumulation of dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. Clean up spilled material promptly.

#### 7.3. Specific end use(s)

No additional information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Quartz (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	(30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA, (total dust) (250)/(%SiO <sub>2</sub> + 5) mppcf TWA, (respirable fraction) (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA, (respirable fraction)
Cement, portland, chemicals (65997-15-1)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (respirable fraction)
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable fraction)
Calcium oxide (1305-78-8)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Limestone (1317-65-3)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)
Gypsum (Ca(SO <sub>4</sub> ).2H <sub>2</sub> O) (13397-24-5)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)
Magnesium oxide (1309-48-4)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> TWA
Calcium hydroxide (1305-62-0)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

# Concrete Mixes

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Sodium hydroxide (1310-73-2)		
USA ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

### 8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear suitable gloves.
Eye protection	: Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Dry powder mix.
Appearance	: Fine to coarse granul.
Colour	: Gray
Odour	: No odour.
Odour threshold	: No data available.
pH	: Highly alkaline when wet.
Relative evaporation rate (butylacetate=1)	: No data available.
Melting point	: No data available.
Freezing point	: No data available.
Boiling point	: No data available.
Flash point	: No data available.
Self ignition temperature	: No data available.
Decomposition temperature	: No data available.
Flammability (solid, gas)	: No data available.
Vapour pressure	: No data available.
Relative vapour density at 20 °C	: No data available.
Relative density	: No data available.
Solubility	: No data available.
Log Pow	: No data available.
Log Kow	: No data available.
Viscosity, kinematic	: No data available.
Viscosity, dynamic	: No data available.
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available.

### 9.2. Other information

VOC content	: No data available.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use. An alkali reaction from components of portland cement will corrode aluminum.

### 10.2. Chemical stability

Stable under normal storage conditions. Keep dry in storage.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use. Do not mix with other chemicals.

### 10.4. Conditions to avoid

Moisture – product must be kept dry until ready to use.

# Concrete Mixes

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

<b>Quartz (14808-60-7)</b>	
LD50 oral rat	500 mg/kg
<b>Calcium oxide (1305-78-8)</b>	
LD50 oral rat	>2000 mg/kg
<b>Sodium hydroxide (1310-73-2)</b>	
LD50 dermal rabbit	1350 mg/kg
<b>Magnesium oxide (1309-48-4)</b>	
LD50 oral rat	>5000 mg/kg
<b>Limestone (1317-65-3)</b>	
LD50 oral rat	6450 mg/kg
<b>Ashes, residues (68131-74-8)</b>	
LD50 oral rat	> 2000 mg/kg
<b>Concrete Mixes</b>	
ATE (oral)	515 - 548 mg/kg 4hr, rat
ATE (dermal)	No data available.
ATE (inhalation)	No data available.

Skin corrosion/irritation : Causes severe skin burns.  
 Serious eye damage/irritation : Causes serious eye damage.  
 Respiratory or skin sensitisation : May cause an allergic skin reaction.  
 Germ cell mutagenicity : Based on available data, the classification criteria are not met.  
 Carcinogenicity : May cause cancer.

<b>Quartz (14808-60-7)</b>	
IARC group	1
National Toxicity Program (NTP) Status	2
<b>Glass, oxide, chemicals (65997-17-3)</b>	
IARC group	3
National Toxicity Program (NTP) Status	2

Reproductive toxicity : Based on available data, the classification criteria are not met.  
 Specific target organ toxicity (single exposure) : May cause respiratory irritation.  
 Specific target organ toxicity (repeated exposure) : Causes damage to lungs through prolonged or repeated exposure. (Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.)  
 Aspiration hazard : Based on available data, the classification criteria are not met.  
 Symptoms/injuries after inhalation : May cause respiratory tract irritation.  
 Symptoms/injuries after skin contact : Causes severe skin burns. Symptoms may include redness, pain, blisters. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. May cause sensitisation by skin contact.  
 Symptoms/injuries after eye contact : Causes serious eye damage. May cause burns. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.  
 Symptoms/injuries after ingestion : Harmful if swallowed. May cause stomach distress, nausea or vomiting.  
 Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

# Concrete Mixes

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : No ecological consideration when used according to directions. Do not flush to sewer or allow to enter waterways.

#### 12.2. Persistence and degradability

Concrete Mixes	
Persistence and degradability	No data available.

#### 12.3. Bioaccumulative potential

Concrete Mixes	
Bioaccumulative potential	No data available.

#### 12.4. Mobility in soil

Concrete Mixes	
Ecology - soil	No data available.

#### 12.5. Other adverse effects

Other adverse effects : No data available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

### SECTION 14: Transport information

In accordance with DOT:

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Additional information

Other information : No supplementary information available.

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

<b>Quartz (14808-60-7)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Cement, portland, chemicals (65997-15-1)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Calcium oxide (1305-78-8)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Limestone (1317-65-3)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Magnesium oxide (1309-48-4)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Sodium hydroxide (1310-73-2)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Ashes, residues (68131-74-8)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Glass, oxide, chemicals (65997-17-3)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.3. US State regulations

Concrete Mixes	
State or local regulations	This product contains Crystalline Silica, Quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

# Concrete Mixes

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Quartz (14808-60-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	No

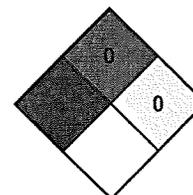
Glass, oxide, chemicals (65997-17-3)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	No

### SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

<b>IARC (I)</b>	<b>International Agency for Research on Cancer.</b>
	1 - Carcinogenic to humans; 2A - Probably carcinogenic to humans; 2B - Possibly carcinogenic to humans; 3 - Not classifiable; 4 - Probably not carcinogenic to humans.
<b>NTP (N)</b>	<b>National Toxicology Program.</b>
	1 - Evidence of Carcinogenicity; 2 - Known Human Carcinogens; 3 - Reasonably anticipated to be Human Carcinogen; 4 - Substances delisted from report on Carcinogens; 5 - Twelfth Report - Items under consideration.

### SECTION 16: Other information

Date of issue	: 12/20/2013
Revision date	: 01/21/2015
Version	: 1.1
Data sources	: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.
NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*



# HIGH STRENGTH CONCRETE MIX

◆ The Pro's Choice Since 1936



Sakrete® High Strength Concrete Mix is a preblended mixture of sand, coarse aggregate, and cementitious materials. For new construction or repairs where concrete thickness exceeds 2" (51 mm).

### Features:

- 4,000 psi
- Full depth applications 2" (51 mm) or greater

### Use For:

- Driveways, slabs, patios, walkways
- Curbs
- Stairs
- Ramps
- Setting fence posts
- Foundation walls and footings
- Structural applications requiring a small volume of concrete

### Yield/Water/Coverage:

Bag Size	Yield	Water
40 lb (18.1 kg)	0.30 ft <sup>3</sup> (.008 m <sup>3</sup> )	1.75 qt (1.7 L)
60 lb (27.2 kg)	0.45 ft <sup>3</sup> (.012 m <sup>3</sup> )	2.5 qt (2.4 L)
80 lb (36.3 kg)	0.60 ft <sup>3</sup> (.017 m <sup>3</sup> )	3.5 qt (3.3 L)
90 lb (40.8 kg)	0.66 ft <sup>3</sup> (.019 m <sup>3</sup> )	4.5 qt (4.3 L)

To determine coverage: Multiply Length (feet) x Width (feet) x Thickness (inches) and divide by 12. Then divide by the yield in the chart above to determine the numbers of bags needed. See Calculator on Sakrete.com for additional assistance. Yield and water are approximate.

### Technical Data:

Sakrete High Strength Concrete Mix meets or exceeds the compressive strength requirements of ASTM C387.

Compressive Strength ASTM C39  
 7 day = 2,500 psi (17 MPa)  
 28 days = 4,000 psi (28 MPa)  
 Slump Range = 2" - 3" (50 - 75 mm)

DIVISION 3  
 Structural Concrete – 03 31 00

**Color:** Gray

### Preparation/Application:

For best results all materials should be stored between 40°F (4°C) and 80°F (27°C) 24 hours prior to installation.

Refer to:

- ACI 302.1 Guide for Concrete Flooring and Slab Construction
- ACI 305R Guide to Hot Weather Concreting
- ACI 306R Guide to Cold Weather Concreting

### Flatwork (Slabs, sidewalks, walkways, etc.):

1. Stake out the area where the concrete will be placed.
2. Cut and remove all soil, grass, sod, etc.
3. For improved drainage place several inches of gravel into the excavated area. Remember to allow enough depth for both the gravel and a minimum of 4" (102 mm) of concrete.
4. Place forms in the desired area assuring that they are level, square, and all corners sealed so no premixed material can escape once placed.
5. Place the concrete into the forms to full depth.
6. Consolidate by moving into corners and low areas to assure there are no voids.
7. Using a straight edge (a 2 x 4 works well) level the surface of the concrete using a back and forth sawing motion.
8. Using a float or trowel smooth the surface to remove imperfections. This is not a final trowel finish, so complete this quickly. Too much troweling at this point will cause dusting and weaken the surface.
9. Using a concrete grooving tool, cut joints into the concrete every 3 - 4 ft (.9 - 1.2 m). Expansion joints should be placed every 8 ft x 12 ft (2.4 x 3.7 m) in each direction and must extend through the entire depth of the slab.
10. Once the concrete has stiffened slightly and all water has evaporated from the surface use the trowel to put a smooth level surface on the concrete. Applying a light broom finish will aid with traction and remove any imperfections left from the trowel.
11. Forms can be removed the following day.

### Posts and Poles:

1. Dig hole to required depth and diameter (depth should be 1/3 the length of the post or pole and hole should be 3 times the diameter of the pole or post width).
2. Place the post or pole in the center of the hole.
3. Level and support post or pole in place.
4. Fill hole with mixed concrete and consolidate to remove any air voids
5. Slope concrete at the surface to allow water to drain away.
6. Wait a minimum of 24 hours before posts or poles are subjected to any strain.
7. If load bearing consult with your local building code requirements before proceeding.

### Repairs (greater than 2" (51 mm) in depth):

1. Surfaces to be repaired must be sound, dimensionally stable, and clean.
2. Slick or sealed surfaces must be thoroughly roughened to an ICRI CSP of 3 to 5.
3. Sides of repair area must be squared off.
4. Clean all reinforcing steel to bare white metal and coat with a rust preventative if not covering within 8 hours.



# HIGH STRENGTH CONCRETE MIX

◆ The Pro's Choice Since 1936

5. All surfaces that will come in contact with the concrete mix should be brought to a SSD (Surface Saturated Dry) condition before application of the material.
6. Clean and remove all loose materials and debris before proceeding.
7. Place the mixed concrete mix into the area that is being repaired.
8. Use a float to remove any surface imperfections.

## Mixing:

1. Empty contents of Sakrete High Strength Concrete into a wheelbarrow or mortar pan forming a crater in the center of the dry mix for the addition of clean potable water. Projects requiring multiple bags are mixed much easier with a mechanical concrete mixer.
2. Add clean potable water (see table above for water amounts) or enough to achieve a workable mix. Add additional water if needed but AVOID A SOUPY MIX. Excess water reduces strength and durability and can cause cracking, dusting or scaling.

## Curing:

1. Proper curing is critical for sound results. Curing means maintaining proper moisture and temperature. The concrete must be kept continuously moist for several days.
2. Covering the concrete slab with plastic is a practical way to help retain moisture. Place plastic after concrete has set.
3. If surface begins to appear dry remove the plastic moisten the surface and replace the plastic.
4. New concrete can be opened to foot traffic in 24 hours and vehicular traffic in 72 hours.

## Precautions:

Air, mix and substrate temperatures should be between 40°F (4°C) and 90°F (32°C) with no rain in the forecast within 24 hours of application. For applications outside this range of temperatures and conditions, contact Sakrete Technical Service.

- Colder temperatures or higher humidity conditions will retard set times
- Use only clean mixing container and tools
- Do not over trowel
- Do not overwater
- Do not add any materials other than clean potable water or Sakrete Bondor and Fortifier. See Technical Data Sheet for mixing instructions.
- Protect from freezing for 48 hours

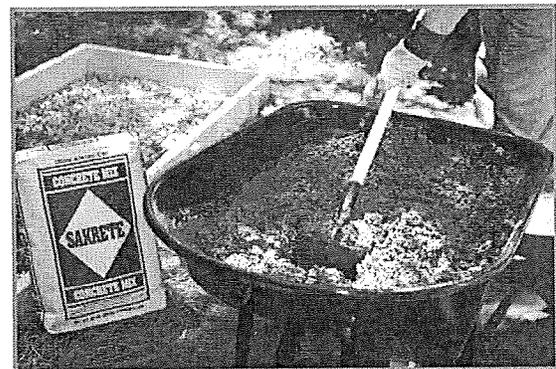
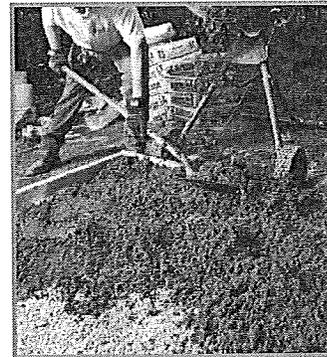
*NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.*

## Safety:

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product. WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA). KEEP OUT OF REACH OF CHILDREN.

## Limited Product Warranty:

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.





# SAFETY DATA SHEET

## Section 1: IDENTIFICATION

### 1.1 PRODUCT IDENTIFIER

**Product Name:** Sakrete High Strength Concrete Mix

### 1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Use:** Various.

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Name/Address:** Sakrete of North America  
625 Griffith Rd., Ste 100  
Charlotte, NC  
28217

**Telephone Number:** 866-725-7383

### 1.4 EMERGENCY TELEPHONE NUMBER

**Emergency Telephone Number:** CHEMTREC 800-424-9300  
INTERNATIONAL + 01-703-527-3887

**Date of Preparation:** July 19, 2013 Rev February 24, 2016 **Version #:** 1.0

## Section 2: HAZARD(S) IDENTIFICATION

### 2.1 CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

#### Hazard class

- Acute toxicity 4 (Oral)
- Skin irritation 2
- Serious eye damage 1
- Skin sensitization 1
- Carcinogenicity 1A
- Specific target organ toxicity - Repeated exposure 1

### 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

#### Hazard Pictogram:



**Signal Word:** Danger

**Hazard Statement:** Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. Causes damage to lungs through prolonged or repeated exposure.

**Prevention:** Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not breathe dust.



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**Response:** If swallowed: Immediately call a poison center/doctor. Rinse mouth. 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/doctor. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention.

**Storage:** Store locked up.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

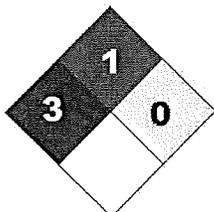
#### 2.3 ADDITIONAL INFORMATION

**Hazards not otherwise classified:** Not applicable.

8 % of the mixture consists of ingredient(s) of unknown acute toxicity.

This product is a hazardous chemical as defined by NOM-018-STPS-2000.

#### Mexico Classification:



Blue = Health Red = Flammability Yellow = Reactivity White = Special

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

#### WHMIS Classification(s):

- Class D2A - Carcinogenicity
- Class D2A - Chronic Toxic Effects
- Class E - Corrosive Material

#### WHMIS Hazard Symbols:



WHMIS Signal Word: DANGER



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### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 MIXTURES

Ingredient	UN #	H / F / R / *	CAS No	Wt. %
Silica, crystalline, quartz	Not available.	2/0/0	14808-60-7	60 - 100
Portland cement	Not available.	2/0/0	65997-15-1	7 - 13
Ashes (residues)	Not available.	Not available.	68131-74-8	1 - 5
Ferric oxide	Not available.	1/0/0	1309-37-1	1 - 5
Calcium carbonate	Not available.	1/0/0	1317-65-3	0.1 - 1

The exact percentage (concentration) of chemicals has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

\* Per NOM-018-STPS-2000

### Section 4: FIRST-AID MEASURES

#### 4.1 DESCRIPTION OF THE FIRST AID MEASURE

- Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
- Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

#### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Eye:** Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Skin:** Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.
- Inhalation:** May cause respiratory tract irritation.
- Ingestion:** Harmful if swallowed. May cause stomach distress, nausea or vomiting.

#### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

- Note to Physicians:** Symptoms may not appear immediately.
- Specific Treatments:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).



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### Section 5: FIRE-FIGHTING MEASURES

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#### 5.1 FLAMMABILITY

**Flammability:** Not flammable by WHMIS/OSHA criteria.

#### 5.2 EXTINGUISHING MEDIA

**Suitable Extinguishing Media:** Treat for surrounding material.

**Unsuitable Extinguishing Media:** Not available.

#### 5.3 SPECIAL HAZARDS ARISING FROM THE CHEMICAL

**Products of Combustion:** May include, and are not limited to: oxides of carbon.

#### Explosion Data:

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

#### 5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

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### Section 6: ACCIDENTAL RELEASE MEASURES

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#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

**Methods for Containment:** Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Cleaning-Up:** Vacuum or sweep material and place in a disposal container.

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### Section 7: HANDLING AND STORAGE

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#### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Handling:** Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating and breathing dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking. (See section 8)

**General Hygiene Advice:** Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage:** Keep out of the reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. (See section 10)



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## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

#### Exposure Guidelines

Ingredient	Occupational Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Silica, crystalline, quartz	((10 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (resp)); ((30 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (total)); ((250)/(%SiO <sub>2</sub> +5) mppcf TWA (resp))	0.025 mg/m <sup>3</sup>
Portland cement	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup> (resp)	1 mg/m <sup>3</sup> (no asbestos and <1% crystalline silica, respirable fraction)
Ashes (residues)	Not available.	Not available.
Ferric oxide	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> (iron oxide fume; dust as Fe)
Calcium carbonate	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup> (resp)	10 mg/m <sup>3</sup>

### 8.2 EXPOSURE CONTROLS

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

### 8.3 INDIVIDUAL PROTECTIVE MEASURES

#### Personal Protective Equipment:

**Eye/Face Protection:** Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

#### Skin Protection:

**Hand Protection:** Wear suitable waterproof gloves.

**Body Protection:** Wear suitable waterproof protective clothing.

**Respiratory Protection:** A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

**General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Powder.  
**Color:** Various.  
**Odor:** Characteristic.  
**Odor Threshold:** Not available.  
**Physical State:** Solid.



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<b>pH:</b>	12 - 13
<b>Melting Point/Freezing Point:</b>	Not available.
<b>Initial Boiling Point and Boiling Range:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.
<b>Flammability:</b>	Not Flammable.
<b>Lower Flammability/Explosive Limit:</b>	Not available.
<b>Upper Flammability/Explosive Limit:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Relative Density/Specific Gravity:</b>	Not available.
<b>Solubility:</b>	Not available.
<b>Partition coefficient: n-octanol/water:</b>	Not available.
<b>Auto-ignition Temperature:</b>	Not available.
<b>Decomposition Temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Oxidizing Properties:</b>	Not available.
<b>Explosive Properties:</b>	Not available.

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### Section 10: STABILITY AND REACTIVITY

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#### 10.1 REACTIVITY

No dangerous reaction known under conditions of normal use.

#### 10.2 CHEMICAL STABILITY

Stable under normal storage conditions. Keep dry in storage.

#### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reaction known under conditions of normal use.

#### 10.4 CONDITIONS TO AVOID

Incompatible materials. Moisture.

#### 10.5 INCOMPATIBLE MATERIALS

Wet cement is alkaline and incompatible with acid, ammonium salts and aluminum metal.

#### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May include, and are not limited to: oxides of carbon.

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### Section 11: TOXICOLOGICAL INFORMATION

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#### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

**Likely Routes of Exposure:** Skin contact, skin absorption, eye contact, inhalation, and ingestion.



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**Symptoms related to physical/chemical/toxicological characteristics:**

**Eye:** Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Skin:** Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

**Ingestion:** Harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Inhalation:** May cause respiratory tract irritation.

**Acute Toxicity:**

Ingredient	IDLH	LC50	LD50
Silica, crystalline, quartz	Not available.	Not available.	Oral 500 mg/kg, rat
Portland cement	Not available.	Not available.	Not available.
Ashes (residues)	Not available.	Not available.	Oral >2000 mg/kg, rat
Ferric oxide	Not available.	Not available.	Oral >10000 mg/kg, rat
Calcium carbonate	Not available.	Not available.	Oral 6450 mg/kg, rat

Calculated overall Chemical Acute Toxicity Values		
LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
Not available.	525 mg/kg, rat	Not available.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*
Silica, crystalline, quartz	G-A2, I-1, N-1, O, CP65
Portland cement	G-A4
Ashes (residues)	Not listed.
Ferric oxide	G-A4, I-3
Calcium carbonate	Not listed.

**11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE**

- Skin Corrosion/Irritation:** Causes skin irritation. May cause burns in the presence of moisture.
- Serious Eye Damage/Irritation:** Causes serious eye damage. May cause burns in the presence of moisture.
- Respiratory Sensitization:** Based on available data, the classification criteria are not met.
- Skin Sensitization:** May cause an allergic skin reaction.
- STOT-Single Exposure:** Based on available data, the classification criteria are not met.
- Chronic Health Effects:** Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the



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severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.

**Carcinogenicity:** May cause cancer.

**Germ Cell Mutagenicity:** This product is not classified as a mutagen.

**Reproductive Toxicity:**

**Developmental:** Based on available data, the classification criteria are not met.

**Teratogenicity:** Not hazardous by WHMIS criteria.

**Embryotoxicity:** Not hazardous by WHMIS criteria.

**Fertility:** Based on available data, the classification criteria are not met.

**STOT-Repeated Exposure:** Causes damage to organs through prolonged or repeated exposure.

**Aspiration Hazard:** Based on available data, the classification criteria are not met.

**Toxicologically Synergistic Materials:** Not available.

**Other Information:** Not available.

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## Section 12: ECOLOGICAL INFORMATION

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### 12.1 ECOTOXICITY

**Acute/Chronic Toxicity:** No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

### 12.2 PERSISTENCE AND DEGRADABILITY

Not available.

### 12.3 BIOACCUMULATIVE POTENTIAL

**Bioaccumulation:** Not available.

### 12.4 MOBILITY IN SOIL

Not available.

### 12.5 OTHER ADVERSE EFFECTS

Not available.

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## Section 13: DISPOSAL CONSIDERATIONS

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### 13.1 WASTE TREATMENT METHODS

**Disposal Method:** This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

**Other disposal recommendations:** Not available.



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### Section 14: TRANSPORT INFORMATION

**14.1 UN NUMBER**

<b>DOT</b>	<b>TDG</b>	<b>NOM-004-SCT2-1994</b>
Not regulated.	Not regulated.	Not regulated.

**14.2 UN PROPER SHIPPING NAME**

<b>DOT</b>	<b>TDG</b>	<b>NOM-004-SCT2-1994</b>
Not applicable.	Not applicable.	Not applicable.

**14.3 TRANSPORT HAZARD CLASS (ES)**

<b>DOT</b>	<b>TDG</b>	<b>NOM-004-SCT2-1994</b>
Not applicable.	Not applicable.	Not applicable.

**14.4 PACKING GROUP**

<b>DOT</b>	<b>TDG</b>	<b>NOM-004-SCT2-1994</b>
Not applicable.	Not applicable.	Not applicable.

**14.5 ENVIRONMENTAL HAZARDS**

Not available.

**14.6 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE**

Not available.

**14.7 SPECIAL PRECAUTIONS FOR USER**

Do not handle until all safety precautions have been read and understood.

### Section 15: REGULATORY INFORMATION

**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL**

**Canada:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**US:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

**Mexico:** MSDS prepared pursuant to NOM-018-STPS-2000.

SARA Title III				
Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Silica, crystalline, quartz	Not listed.	Not listed.	Not listed.	Not listed.
Portland cement	Not listed.	Not listed.	Not listed.	Not listed.
Ashes (residues)	Not listed.	Not listed.	Not listed.	Not listed.
Ferric oxide	Not listed.	Not listed.	Not listed.	Not listed.
Calcium carbonate	Not listed.	Not listed.	Not listed.	Not listed.



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### State Regulations

**California Proposition 65:**

This product contains Crystalline Silica, Quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**Global Inventories:**

Ingredient	Canada DSL/NDSL	USA TSCA
Silica, crystalline, quartz	DSL	Yes.
Portland cement	DSL	Yes.
Ashes (residues)	DSL	Yes.
Ferric oxide	DSL	Yes.
Calcium carbonate	NDSL	Yes.

**NFPA-National Fire Protection Association:**

<b>Health:</b>	3
<b>Fire:</b>	1
<b>Reactivity:</b>	0

**HMIS-Hazardous Materials Identification System:**

<b>Health:</b>	3*
<b>Fire:</b>	1
<b>Physical Hazard:</b>	0

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**CP65**      **California Proposition 65**

**OSHA (O)**    **Occupational Safety and Health Administration.**

**ACGIH (G)**   **American Conference of Governmental Industrial Hygienists.**

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

**IARC (I)**     **International Agency for Research on Cancer.**

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)**      **National Toxicology Program.**

- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.



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### Section 16: OTHER INFORMATION

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**Date of Preparation:** July 19, 2013  
**Expiry Date:** February 24, 2019  
**Version:** 1.0  
**Revision Date:** February 24, 2016

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**Prepared for:** Sakrete of North America

**End of Safety Data Sheet**