

## Safety Data Sheet

### ULTRAFLEX 1 WHITE

Safety Data Sheet dated: 5/23/2016 - version 2

Date of first edition: 5/11/2015

## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: ULTRAFLEX 1 WHITE

### Recommended use of the chemical and restrictions on use

Recommended use: Polymer modified mortar

Restrictions on use: N.A.

### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: MAPEI CORP. (USA and Puerto Rico)

1144 East Newport Center Drive

33442 - Deerfield Beach - FL - USA

Phone: 954-246-8888

### Emergency 24 hour numbers:

(USA) CHEMTREC 1-800-424-9300

(Canada) CANUTEC 1-613-996-6666

## 2. HAZARD(S) IDENTIFICATION



### Classification of the chemical

Skin Corr. 1A	Causes severe skin burns and eye damage.
Eye Dam. 1	Causes serious eye damage.
Skin Sens. 1	May cause an allergic skin reaction.
Carc. 1A	May cause cancer if inhaled.
STOT SE 3	May cause respiratory irritation.
STOT RE 1	Causes damage to organs through prolonged or repeated exposure if inhaled.

### Label elements

#### Symbols:



Danger

Code	Description
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H350.A	May cause cancer if inhaled.
H372.A	Causes damage to organs through prolonged or repeated exposure if inhaled.

Code	Description
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260.B	Do not breathe dust.
P264.2	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310.B	Immediately call a doctor.
P314	Get medical advice/attention if you feel unwell.
P321.A	Specific treatment (see supplementary instructions on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501.A	Dispose of contents/container in accordance with applicable regulations.

**Ingredient(s) with unknown acute toxicity:**

None

**Hazards not otherwise classified identified during the classification process:**

None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substances**

N.A.

**Mixtures**

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

**List of components**

Quantity	Name	Ident. Numb.	Classification
50-75 %	Silica Sand	CAS:14808-60-7	Carc. 1A, H350; STOT RE 1, H372
25-50 %	Portland cement	CAS:65997-15-1	STOT SE 3, H335; Eye Dam. 1, H318; Skin Sens. 1, H317; Skin Corr. 1A, H314

**4. FIRST AID MEASURES**

**Description of first aid measures**

In case of skin contact:

- Immediately take off all contaminated clothing.
- Obtain medical attention if skin related symptoms persist.
- Remove contaminated clothing immediately and dispose of safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- If breathing is irregular or stopped, administer artificial respiration.
- In case of inhalation, consult a doctor immediately and show him packing or label.

**Most important symptoms/effects, acute and delayed**

- Eye irritation
- Eye damages
- Skin Irritation
- Erythema

**Indication of any immediate medical attention and special treatment needed**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

Suitable extinguishing media:

- Water.
- Carbon dioxide (CO2).

**Unsuitable extinguishing media:**

None in particular.

**Specific hazards arising from the chemical**

hazardous combustion products, etc.

Explosive properties: N.A.

Oxidizing properties: N.A.

### Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Do not use on extensive surface areas in premises where there are occupants.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

Storage temperature: N.A.

Always keep in a well ventilated place.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour	Note
Silica Sand	ACGIH			0,025					A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis;
Portland cement	OSHA			15					
	OSHA			5					
	ACGIH			1					A4 - Not Classifiable as a Human Carcinogen;pulmonary function;respiratory symptoms;asthma;

Appropriate engineering controls: N.A.

### Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

## Information on basic physical and chemical properties

Physical state: Solid  
Appearance and colour: Powder white  
Odour: Cement like  
Odour threshold: N.A.  
pH in Water Dispersion: 11.50  
Melting point / freezing point: N.A.  
Initial boiling point and boiling range: N.A.  
Flash point: Not Applicable  
Evaporation rate: N.A.  
Upper/lower flammability or explosive limits: N.A.  
Vapour density: N.A.  
Vapour pressure: N.A.  
Relative density: 2.15 g/cm<sup>3</sup>  
Solubility in water: Soluble  
Solubility in oil: N.A.  
Partition coefficient (n-octanol/water): N.A.  
Auto-ignition temperature: N.A.  
Decomposition temperature: N.A.  
Viscosity: N.A.  
Explosive properties: N.A.  
Oxidizing properties: N.A.  
Solid/gas flammability: N.A.

## Other information

Substance groups relevant properties: N.A.  
Miscibility: N.A.  
Fat Solubility: N.A.  
Conductivity: N.A.

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## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions

### Chemical stability

Data not Available.

### Possibility of hazardous reactions

None.

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

None in particular.

### Hazardous decomposition products

None.

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## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

#### Toxicological information on main components of the mixture:

Silica Sand                      a) acute toxicity                      LD50 Oral Rat = 500mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity

- h) SIOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

**Substance(s) listed on the IARC Monographs:**

Silica Sand Group 1

**Substance(s) listed as OSHA Carcinogen(s):**

Silica Sand

**Substance(s) listed as NIOSH Carcinogen(s):**

Silica Sand

**Substance(s) listed on the NTP report on Carcinogens:**

Silica Sand

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## 12. ECOLOGICAL INFORMATION

### Toxicity

Adopt good working practices, so that the product is not released into the environment.

### Eco-Toxicological Information:

#### List of components with eco-toxicological properties

Quantity	Component	Ident. Numb.	Ecotox Infos
50-75 %	Silica Sand	CAS: 14808-60-7	LC50 a) Aquatic acute toxicity carp> 10000,00000mg/L 72h

### Persistence and degradability

N.A.

### Bioaccumulative potential

N.A.

### Mobility in soil

N.A.

### Other adverse effects

N.A.

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## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

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## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### UN number

- ADR-UN number: N.A.
- DOT-UN Number: N.A.
- IATA-Un number: N.A.
- IMDG-Un number: N.A.

### UN proper shipping name

- ADR-Shipping Name: N.A.
- DOT-Proper Shipping Name: N.A.
- IATA-Technical name: N.A.
- IMDG-Technical name: N.A.

### Transport hazard class(es)

- ADR-Class: N.A.
- DOT-Hazard Class: N.A.
- IATA-Class: N.A.
- IMDG-Class: N.A.

### Packing group

- ADR-Packing Group: N.A.
- DOT-Packing group: N.A.
- IATA-Packing group: N.A.
- IMDG-Packing group: N.A.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

N.A.

**Special precautions**

Department of Transportation (DOT):

N.A.

Road and Rail (ADR-RID):

N.A.

Air (IATA):

N.A.

Sea (IMDG):

N.A.

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**15. REGULATORY INFORMATION**

**USA - Federal regulations**

**TSCA - Toxic Substances Control Act**

TSCA inventory:

All the components are listed on the TSCA inventory

TSCA listed substances:

Silica Sand	is listed in TSCA	Section 8b
Portland cement	is listed in TSCA	Section 8b

**SARA - Superfund Amendments and Reauthorization Act**

Section 302 - Extremely Hazardous Substances:

no substances listed

Section 304 - Hazardous substances:

no substances listed

Section 313 - Toxic chemical list:

no substances listed

**CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act**

Substance(s) listed under CERCLA:

no substances listed

**CAA - Clean Air Act**

CAA listed substances:

no substances listed

**CWA - Clean Water Act**

CWA listed substances:

no substances listed

**USA - State specific regulations**

**California Proposition 65**

Substance(s) listed under California Proposition 65:

Silica Sand	Listed as carcinogen
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**Massachusetts Right to know**

Substance(s) listed under Massachusetts Right to know:

Silica Sand

Portland cement

**Pennsylvania Right to know**

Substance(s) listed under Pennsylvania Right to know:

Silica Sand

**Substance(s) listed under New Jersey Right to know:**

Silica Sand

Portland cement

**Canada- Federal regulations**

**DSL - Domestic Substances List**

DSL Inventory:

All the substances are listed in the DSL.

**NDSL - Non Domestic Substances List**

NDSL Inventory:

no substances listed

**NPRI - National Pollutant Release Inventory**

Substances listed in NPRI:

no substances listed

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**16. OTHER INFORMATION**

Code	Description
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H350	May cause cancer .
H350.A	May cause cancer if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure .
H372.A	Causes damage to organs through prolonged or repeated exposure if inhaled.

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Product code: 2629

**Additional classification information**



HMIS Health: 2 = Moderate

HMIS Health - Is health hazard chronic?: Yes

HMIS Flammability: 0 = Not Combustible

HMIS Reactivity: 0 = Minimal

HMIS P.P.E.: Safety glasses, gloves, dust respirator

NFPA Health: 2 = Moderate

NFPA Flammability: 0 = Not Combustible

NFPA Reactivity: 0 = Minimal

NFPA Special Risk: N.A.

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

IATA-DGR: Dangerous Goods Regulation by the International Air Transport Association (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
CLP: Classification, Labeling, Packaging.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
INCI: International Nomenclature of Cosmetic Ingredients.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
DNEL: Derived No Effect Level.  
PNEC: Predicted No Effect Concentration.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
WGK: German Water Hazard Class.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION



## 1 Identification of the substance/preparation and of the company/undertaking

**Product details**

Product category:	FLOORING
Trade name:	MERKRETE FRACTURE GUARD FAST DRY
Application/preparation of the substance:	Membranes
Manufacturer/Supplier:	PAREXUSA, Inc. 4125 E. LA PALMA AVE SUITE 250 ANAHEIM, CA 92807
Further information obtainable from:	<a href="mailto:pedro.paredes@parexusa.com">pedro.paredes@parexusa.com</a>
Contact phone number:	800-226-2424
In case of emergency, contact CHEMTREC:	800-424-9300

## 2 Hazards identification

**Hazard pictograms (GHS-US):**

Irritant



**Hazard pictograms (GHS-US):**

Health Hazards



**Signal word (GHS-US):**

Warning

**Hazard statement (GHS-US):**

H303	Can be harmful if swallowed
H320	Causes eye irritation
H335	May cause respiratory irritation
H313	May be harmful in contact with skin

**Precautionary statements (GHS-US):**

P402	Store in a dry place.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water
	IF IN EYES: Rinse cautiously with water for several minutes.
P305+P351+P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

**HMIS codes:**

Health	1
Flammability	0
Reactivity	0
Protective equipment	B

**Information concerning particular hazards for human and environment:**

- May be harmful if ingested.
- Dust may be irritating to eyes, respiratory system, and skin.
- Not known to cause reproductive harm or birth defects.
- Keep out of reach of children.

### 3 Composition/Information on ingredients

#### Chemical characterization

CAS #	Name	Exposure Limit
51200-87-4	4,4-Dimethyloxazolidine	none established

Additional information: n/a

### 4 First aid measures

General information: n/a

**After inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If having difficulty breathing, give oxygen. Get immediate medical attention.

**After skin contact:** Wash affected area thoroughly with soap and water. Remove contaminated clothes and launder before re-use.

**After eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**After swallowing:** Do not induce vomiting. Get medical attention immediately.

### 5 Fire-fighting measures

**General information:** This product does not support combustion and is non-flammable.

**Flash point:** n/a

**Suitable extinguishing agents:** For the dried product, use carbon dioxide, dry chemical, or alcohol foam.

**Hazardous combustion products:** Incomplete combustion of dried product can yield low molecular weight hydrocarbons, carbon monoxide, and carbon dioxide.

**Protective equipment:** Respiratory equipment should be worn to avoid inhalation of combustion products.

**Firefighting instructions:** Water should not be used except as fog to keep nearby containers cool. Water may be used to cool closed containers to prevent pressure build-up and explosion when exposed to extreme heat.

### 6 Accidental release measures

**Measures for environmental protection:** Keep spilled products out of sewers, streams, and water systems.

**Measures for cleaning/collecting:** For dry material, collect by sweeping and scooping. Transfer collected material to a container, being careful to minimize creation of dust. For wet material, scoop material up and transfer to an open container. Allow material to dry before disposal.

**Additional information:** See section 13 and section 15 for specific regulatory information concerning this product.

### 7 Handling and storage

#### Handling:

Wear appropriate protective equipment when working with this product. Promptly remove clothing wet with product mix, and launder before re-using. Wash thoroughly after exposure to product mixtures. Keep out of reach of children.

#### Storage:

Store in a dry location. Atmospheric temperatures and pressures do not affect the shelf life of this product.

8 Exposure controls/personal protection

Additional information about design of technical facilities: n/a

Ingredients with limit values that require monitoring at the workplace:

CAS #	Name	Exposure Limit
51200-87-4	4,4-Dimethyloxazolidine	none established

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log onto [www.epa.gov/lead](http://www.epa.gov/lead).

Additional information:	The lists valid during the making were used as a basis.
Personal protective equipment: ventilation	Use local exhaust. General exhaust acceptable if the exposure to materials above is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, and 1910.108.
respiratory protection	If personal exposure cannot or may not be controlled below applicable limits by ventilation, wear properly fitted respirator approved by NIOSH/MSHA for protection against materials described above.
eye protection	Wear safety glasses to reduce the potential for eye contact.
skin protection	Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing.

9 Physical and chemical properties

<b>General information:</b>	
form	Fluid
color	purple
odor	Mild ammonia.
pH	pH: 8.0-10.0
<b>Change in condition:</b>	
melting point/melting point range	32°F
boiling point/boiling point range	190-212°F
evaporation rate:	Slower than ether.
vapor density:	Heavier than air.
Specific gravity:	1.45
Solubility in/Miscibility with water:	dispersible
Density at 20°C:	12.09 lb/gal
VOC:	2 g/l(0.0143 lb/gal)

10 Stability and reactivity

Conditions to be avoided:	None known
Chemical stability:	Stable
Materials to be avoided:	None known
Hazardous polymerization:	Will not occur
Dangerous decomposition products:	Will not spontaneously occur. By fire - low molecular weight hydrocarbons, carbon dioxide and monoxide

**11. Toxicological information**

Acute toxicity:

n/a

Primary irritant effect:

on the skin

Exposure of skin to product mix may cause chemical burns. Symptoms of exposure may take several hours to manifest.

on the eye

Exposure of eyes to product mix may cause chemical burns and blindness. Exposure to airborne dust can cause immediate or delayed irritation or inflammation.

through ingestion

May be harmful if ingested.

through inhalation

Mist generated during handling this product may cause irritation to the respiratory tract.

Additional toxicological information:

n/a

**12. Ecological information**

Elimination (persistence and degradability): n/a

Behavior in environmental systems: n/a

Mobility and bioaccumulation potential: n/a

General notes: n/a

**13. Disposal considerations**

Product recommendation: This product must be disposed of in accordance with applicable local, state and federal regulations. Where possible, it is best to use up any excess material.

Uncleansed packaging recommendation: Disposal must be made according to official regulations.

**14. Transport information**

Land transport USDOT Not classified as a dangerous good under transport regulations

Sea transport IMDG Not classified as a dangerous good under transport regulations

Air transport IATA/ICAO Not classified as a dangerous good under transport regulations

**15. Regulatory information**

**US Federal regulations**

<b>CERCLA, section 103 (40CFR302.4)</b> This product contains the following toxic chemicals that require notification of the National Response Center of releases of quantities of hazardous substances equal to or greater than the Reportable Quantities (RQ): <p style="text-align: center;">No reportable quantities are present.</p>
<b>Clean Air Act, section 112</b> This product contains the following components present at or above the minimum level and listed as Hazardous or Extremely Hazardous Air Pollutants: <p style="text-align: center;">No reportable quantities are present.</p>
<b>SARA, section 302 (40CFR355.30) and section 304 (40CFR355.40)</b> This product contains the following items that require emergency planning based on Threshold Planning Quantities (TPQ) or release reporting based on RQ: <p style="text-align: center;">No reportable quantities are present.</p>

**SARA, section 311/312 (40CFR370.21) Hazard classification for this product**

Fire: No	Pressure generating: No	Reactivity: No
Acute health: No	Chronic health: No	

**SARA, section 313 (40CFR372.65)**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986:

4,4-DIMETHYLOXAZOLIDINE	CAS #	51200-87-4
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EPA VOC regulations  
Theoretical VOC for this product = 2 g/l(0.0143 lb/g)

**TSCA**

All components of this product are listed, or are exempt from listing on the TSCA inventory.

**OSHA**

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR1910.1200). Unlisted ingredients are not 'hazardous' per OSHA standards.

In addition to items listed in Section 11, this product contains the following items that are specifically regulated by OSHA. Exposure limits may be found in Section 8.  
**No reportable quantities are present.**

**State regulations****California**

Warning - The following chemicals are present in this coating product in small amounts. These chemicals are listed by the California EPA as materials known to the State of California to cause cancer, (and/or) birth defects, (and/or) other reproductive harm:

none

**16 Other information**

The information and recommendation set forth herein are believed to be accurate. Because some of the information used to prepare this document is derived from information provided to PAREXUSA, Inc. from its suppliers, and because PAREXUSA, Inc. has no control over the conditions of handling and use, PAREXUSA, Inc. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof and assumes no responsibility from use or reliance thereon. It is the responsibility of the user of PAREXUSA, Inc. products to comply with all applicable federal, state, and local laws and regulations.



# MATERIAL SAFETY DATA SHEET

LevelQuik RS Self-Leveling Underlayment

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** LevelQuik RS Self-Leveling Underlayment  
**Product Use:** Floor underlayment.  
**Manufacturer/Supplier:** Custom Building Products  
13001 Seal Beach Blvd  
Seal Beach, CA 90740  
**Phone Number:** (562) 598-8808  
**Emergency Phone:** INFOTRAC 1-800-535-5053 (US and Canada)  
INTERNATIONAL + 1-352-323-3500  
**Date of Preparation:** April 28, 2010 **Revision Date:** January 16, 2012

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

**Potential Health Effects:** See Section 11 for more information.

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

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

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

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

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation.

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.

**Medical Conditions Aggravated By Exposure:** Because of its irritating properties, dust may aggravate preexisting skin, eye, and respiratory conditions.

**Target Organs:** Skin, eyes, gastrointestinal tract, respiratory system.

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

**Potential Environmental Effects:** May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Silica, crystalline, quartz	14808-60-7	30 - 60
Calcium carbonate	1317-65-3	10 - 30
Cement, alumina, chemicals	65997-16-2	10 - 30
Aluminum oxide	1344-28-1	7 - 13
Portland cement	65997-15-1	1 - 5
Lithium carbonate	554-13-2	0.1 - 1



# MATERIAL SAFETY DATA SHEET

## LevelQuik RS Self-Leveling Underlayment

### Section 4: FIRST AID MEASURES

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.
- Skin Contact:** 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 inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

### Section 5: FIRE FIGHTING MEASURES

- Flammability:** Not flammable by WHMIS/OSHA criteria.
- Means of Extinction:**
- Suitable Extinguishing Media:** Treat for surrounding material.
  - Unsuitable Extinguishing Media:** Not available.
- 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.
- Protection of Firefighters:** Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

### Section 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
- Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
- Methods for Containment:** Pick up large pieces, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container.
- Other Information:** Not available.

### Section 7: HANDLING AND STORAGE

- Handling:** Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.



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## 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.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Ingredient	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>
Calcium carbonate	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup> (resp)	10 mg/m <sup>3</sup>
Cement, alumina, chemicals	Not available.	Not available.
Aluminum oxide	15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)	10 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)
Lithium carbonate	Not available.	Not available.

**Engineering Controls:** When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits.

### Personal Protective Equipment:

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

**Hand Protection:** Wear suitable gloves.

**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).

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Powder.
<b>Color:</b>	Not available.
<b>Odour:</b>	Not available.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Solid.
<b>pH:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	Not available.





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<b>Flash Point:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	Not available.
<b>Upper Flammability Limit:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Specific Gravity:</b>	Not available.
<b>Solubility in Water:</b>	Not available.
<b>Coefficient of Water/Oil Distribution:</b>	Not available.
<b>Auto-ignition Temperature:</b>	Not available.
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content, wt. g/L:</b>	0%, Not applicable; 0 wt, Not applicable.

### Section 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions. Keep dry in storage.

**Conditions of Reactivity:** Heat. Incompatible materials. Moisture.

**Incompatible Materials:** None known.

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

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

### Section 11: TOXICOLOGY INFORMATION

#### EFFECTS OF ACUTE EXPOSURE

##### Component Analysis

Ingredient	LD <sub>50</sub> (oral)	LC <sub>50</sub>
Silica, crystalline, quartz	500 mg/kg, rat	Not available.
Calcium carbonate	6450 mg/kg, rat	Not available.
Cement, alumina, chemicals	Not available.	Not available.
Aluminum oxide	> 5000 mg/kg, rat	Not available.
Portland cement	Not available.	Not available.
Lithium carbonate	525 mg/kg, rat	> 2.17 mg/L 4hr, rat

**Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Skin:** May cause skin irritation. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.

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

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

#### EFFECTS OF CHRONIC EXPOSURE

**Target Organs:** Lungs.

**Chronic Effects:** Hazardous by WHMIS/OSHA criteria.

**Carcinogenicity:** Hazardous by WHMIS/OSHA criteria.



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## Ingredient

Silica, crystalline, quartz  
Calcium carbonate  
Cement, alumina, chemicals  
Aluminum oxide  
Portland cement  
Lithium carbonate

## Chemical Listed as Carcinogen or Potential Carcinogen \*

G-A2, I-1, N-1, CP65  
Not listed.  
Not listed.  
Not listed.  
G-A4  
CP65

\* See Section 15 for more information.

**Mutagenicity:** Not hazardous by WHMIS/OSHA criteria.

**Reproductive Effects:** Not hazardous by WHMIS/OSHA criteria.

### Developmental Effects:

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

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

**Respiratory Sensitization:** Not hazardous by WHMIS/OSHA criteria.

**Skin Sensitization:** Not hazardous by WHMIS/OSHA criteria.

**Toxicologically Synergistic Materials:** Not available.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment.

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

## Section 13: DISPOSAL CONSIDERATIONS

### Disposal Instructions:

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

## Section 14: TRANSPORTATION INFORMATION

### DOT Ground Classification

Not regulated

### TDG Ground Classification

Not regulated

### IATA Classification

Not regulated

### IMDG Classification

Not regulated

## Section 15: REGULATORY INFORMATION

### Federal Regulations

**Canadian:** 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.



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

## 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.
Calcium carbonate	Not listed.	Not listed.	Not listed.	Not listed.
Cement, alumina, chemicals	Not listed.	Not listed.	Not listed.	Not listed.
Aluminum oxide	Not listed.	Not listed.	Not listed.	313
Portland cement	Not listed.	Not listed.	Not listed.	Not listed.
Lithium carbonate	Not listed.	Not listed.	Not listed.	313

## State Regulations

**New Jersey Right-To-Know:** Silica, Quartz, Calcium carbonate, Aluminum oxide, Calcium sulfate, Silicate, Portland cement.

**Pennsylvania Right-To-Know:** Quartz, Limestone, Aluminum oxide, Calcium sulfate, Cement, Portland, chemicals.

**Massachusetts Right-To-Know:** Quartz, Calcium carbonate, Aluminum oxide, Calcium sulfate, Portland cement, Lithium carbonate.

## California Proposition 65:

This product contains chemicals known to the state of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

## Global Inventories

Ingredient	Canada DSL/NDSL	USA TSCA
Silica, crystalline, quartz	DSL	Yes.
Calcium carbonate	NDSL	Yes.
Cement, alumina, chemicals	DSL	Yes.
Aluminum oxide	DSL	Yes.
Portland cement	DSL	Yes.
Lithium carbonate	DSL	Yes.

All ingredients are on DSL/NDSL and TSCA inventories or are exempt from listing.

## HMIS - Hazardous Materials Identification System

Health - 2\*      Flammability - 0      Physical Hazard - 0      PPE - B

## NFPA - National Fire Protection Association:

Health - 2      Fire - 0      Reactivity - 0

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

## WHMIS Classification(s):

- Class D2A - Carcinogenicity
- Class D2A - Chronic Toxic Effects
- Class D2B - Skin/Eye Irritant

## WHMIS Hazard Symbols:





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## LevelQuik RS Self-Leveling Underlayment

### SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

**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.

### Section 16: OTHER INFORMATION

#### **Disclaimer:**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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