

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

### Product details

Product category: FLOORING  
 Trade name: MERKRETE UNDERLAY-SLU  
 Application/preparation of the substance: Underlayment  
 Manufacturer/Supplier: PAREXUSA, Inc.  
 4125 E. LA PALMA AVE  
 SUITE 250  
 ANAHEIM, CA 92807  
 Further information obtainable from: [pedro.paredes@parexusa.com](mailto:pedro.paredes@parexusa.com)  
 Contact phone number: 800-226-2424  
 In case of emergency, contact CHEMTREC: 800-424-9300

## 2 Hazards identification

### Hazard pictograms (GHS-US):

Irritant



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  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. 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	E

### 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

Dangerous components:			
CAS #	Name	Exposure Limit	
14808-60-7	Crystalline silica	OSHA PEL (Respirable quartz)	0 mg/m <sup>3</sup> / (% silica + 2)
		ACGIH TLV	0.025 mg/m <sup>3</sup> (respirable)
65997-15-1	Portland cement	OSHA PEL (Respirable)	5 mg/m <sup>3</sup>
		OSHA PEL (total)	15 mg/m <sup>3</sup>
		ACGIH TLV (Respirable)	mg/m <sup>3</sup> (Less 1% Quartz)
13397-24-5	Gypsum	PEL (Total)	10 mg/m <sup>3</sup>
		PEL (Resp)	15 mg/m <sup>3</sup>
		TLV	5mg/m <sup>3</sup>
1305-62-0	Calcium Hydroxide	OSHA PEL	3 mg/m <sup>3</sup>
		ACGIH TLV	3 mg/m <sup>3</sup>

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: n/a

Protective equipment: n/a

Firefighting instructions: n/a

### 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 dusty clothing, or 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. However, moisture contamination will render the product useless. Keep product dry until use.

## 8 Exposure controls/personal protection

Additional information about design of technical facilities: n/a

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

General information:	
form	Powdered Solid.
color	gray
odor	No distinct odor.
pH	12-13 in water.
Change in condition:	
melting point/melting point range	n/a
boiling point/boiling point range	n/a
evaporation rate:	n/a
vapor density:	n/a
Specific gravity:	2.52
Solubility in/Miscibility with water:	dispersible
Density at 20°C:	20.98 lb/gl
VOC:	0 g/l(0.0lb/gl)

## 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. Addition of water will produce caustic calcium hydroxide, which can cause chemical burns.

## 11 Toxicological information

Acute toxicity:

crystalline silica (quartz, cristobalite) Considered a known human carcinogen by Federal (OSHA) and advising health agencies (IARC, NIOSH, and NTP). Additionally, crystalline silica can cause a lung condition known as silicosis after long term exposure to dusts containing crystalline silica. Exposure of workers to crystalline silica containing dusts is specifically regulated by OSHA. The use of a correctly fitted, NIOSH approved respirator suitable for use against crystalline silica inhalation is essential for minimizing exposure to this danger.

mineral dusts Some items mentioned in Section 8 are considered mineral dusts by OSHA and a correctly fitted, NIOSH approved respirator is required when working with this product.

Portland cement and calcium hydroxide A single, short term exposure to the dry form of these two items, which are present in this cement concentrate mix, are not likely to cause serious harm. However, exposure of sufficient duration to wet cement can cause serious, potentially irreversible tissue destruction of the skin or eye from caustic chemical burns, including third degree burns. The same type of tissue destruction can occur if wet or moist areas of the body are exposed for sufficient duration to dry cement concentrate. Wet cement is caustic and personal protective equipment, and proper work hygiene, must be employed for protection against personal injury.

Primary irritant effect: on the skin	Exposure of skin to wet product mix may cause chemical burns. Symptoms of exposure may take several hours to manifest.
on the eye	Exposure of eyes to wet 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	Dust 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**

<b>Land transport</b> USDOT	Not classified as a dangerous good under transport regulations
<b>Sea transport</b> IMDG	Not classified as a dangerous good under transport regulations
<b>Air transport</b> IATA/ICAO	Not classified as a dangerous good under transport regulations

**15 Regulatory information**

<b>US Federal regulations</b>			
CERCLA, section 103 (40CFR302.4)			
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):			
No reportable quantities are present.			
Clean Air Act, section 112			
This product contains the following components present at or above the minimum level and listed as Hazardous or Extremely Hazardous Air Pollutants:			
No reportable quantities are present.			
SARA, section 302 (40CFR355.30) and section 304 (40CFR355.40)			
This product contains the following items that require emergency planning based on Threshold Planning Quantities (TPQ) or release reporting based on RQ:			
No reportable quantities are present.			
SARA, section 311/312 (40CFR370.21) Hazard classification for this product			
Fire: No	Pressure generating: No	Reactivity: No	
Acute health: Yes	Chronic health: Yes		
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:			
No reportable quantities are present.			
EPA VOC regulations			
Theoretical VOC for this product = 0 g/l(0.0lb/gal)			
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.

Portland Cement	CAS#	65997-15-1
Monoclacium Aluminate	CAS#	65997-16-2

**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:

Portland Cement	CAS#	65997-15-1
Monoclacium Aluminate	CAS#	65997-16-2
Calcium Carbonate	CAS#	16389-88-1
Crystalline Silica	CAS#	14808-60-7
Gypsum	CAS#	13397-24-5
Lithium Carbonate	CAS#	554-13-2
Calcium Hydroxide	CAS#	1305-62-0
Magnesium Silicate	CAS#	14807-96-6

**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.