

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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|---------------------------|-----------------------------|----------------|----------|
| PRODUCT CATEGORY: | MSDSMKUNDERSTD | REVISION DATE: | 01/15/10 |
| PRODUCT NAME: | MERKO UNDERLAYMENT STANDARD | | |
| MANUFACTURER: | PAREXUSA, Inc. | | |
| | 4125 E. LA PALMA AVE | | |
| | SUITE 250 | HMIS CODES: | |
| | ANAHEIM, CA 92807 | HEALTH | 1* |
| EMERGENCY PHONE NUMBER: | 800-424-9300 | FLAMMABILITY | 0 |
| INFORMATION PHONE NUMBER: | 951-653-3549 | REACTIVITY | 0 |
| NAME OF PREPARER: | CARLOS NONES | PROTECTION | E |

2 - COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|------------------------------|-------|
| Components / Exposure Limits | CASRN |
|------------------------------|-------|

| | |
|------------------------------|------------|
| CRYSTALLINE SILICA | 14808-60-7 |
| OSHA TWA 10 mg/m3 | |
| ACGIH TWA 0.05mg/m3 | |
| CRYSTALLINE SILICA | 14808-60-7 |
| OSHA TWA 10 mg/m3 | |
| ACGIH TWA 0.05mg/m3 | |
| PORTLAND CEMENT | 65997-15-1 |
| OSHA PEL 5mg/m3 (RESPIRABLE) | |
| OSHA PEL 15mg/m3 (TOTAL) | |
| ACGIH TLV 10mg/m3 (TOTAL) | |

3 - HAZARDS IDENTIFICATION - POTENTIAL HEALTH EFFECTS

EYES: WARNING - Exposure of the eyes to wet stucco mix can cause chemical burns and blindness. Exposure to airborne dust can cause immediate or delayed irritation or inflammation. See Section 4 for first aid instructions and Sections 11 and 15 for specific hazards. SKIN: WARNING - Exposure of the skin to wet stucco mix can cause chemical burns. The symptoms of exposure may take several hours to manifest. See Section 4 for first aid instructions and Sections 11 and 15 for specific hazards. INGESTION: May be harmful if ingested. INHALATION: Dust generated during handling this stucco concentrate can cause irritation to the respiratory tract. CHRONIC (CANCER) INFORMATION: WARNING - See section 11, TOXICOLOGICAL INFORMATION for details. Also see section 15. TERATOLOGY (BIRTH DEFECTS): Not known to cause birth defects. REPRODUCTIVE INFORMATION: Not known to cause reproductive harm.

4 - FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. SKIN: Wash affected area thoroughly with soap and water. Remove contaminated cloths and launder before re-use. INGESTION: Do not induce vomiting. Get medical attention immediately. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If having difficulty breathing, give oxygen. Get immediate medical attention.

5 - FIRE FIGHTING MEASURES

This product does not support combustion and is non-flammable.

FLASH POINT:

Method: Not Applicable.

FLAMMABLE LIMITS:

Lower flammable limit: Not Applicable.

Upper flammable limit: Not Applicable.

AUTOIGNITION TEMPERATURE: Not Applicable.

HAZARDOUS COMBUSTION PRODUCTS:

EXTINGUISHING MEDIA: For the dried product, use carbon dioxide, dry chemical, or alcohol foam extinguishing media.

FIREFIGHTING INSTRUCTIONS:

6 - ACCIDENTAL RELEASE MEASURES

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. Keep spilled products out of sewers, streams, and water systems. See section 13 and section 15 for specific regulatory information concerning this product.

7 - HANDLING AND STORAGE

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

Keep stucco concentrate dry until use. Atmospheric temperatures and pressures do not affect the shelf life of this product. However, moisture contamination will render the product useless.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Use local exhaust. General exhaust acceptable if the exposure to materials in section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, and 1910.108.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH for protection against materials described in Section 2. **SKIN PROTECTION:** Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing. **EYE PROTECTION:** Wear safety glasses to reduce the potential for eye contact

9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

FREEZING/MELTING POINT: N/A

EVAPORATION RATE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Dispersible.

SPECIFIC GRAVITY: 2.54

DENSITY: 21.16 lb/gl

pH: 12-13 in water.

ODOR: No distinct odor.

APPEARANCE: Gray colored powder.

PHYSICAL STATE: Powdered Solid.

VOC: 0 g/l(0.0 lb/gl)

10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None known.

CHEMICAL STABILITY: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS:

Will not spontaneously occur. Addition of water will produce caustic calcium hydroxide, which can cause chemical burns.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: None known.

11 - TOXICOLOGICAL INFORMATION - CHRONIC AND ACUTE HEALTH HAZARDS

CRYSTALLINE SILICA - (Quartz, Christobalite) is 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 2 of this MSDS 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 stucco concentrate mix, are not likely to cause serious harm. However, exposure of sufficient duration to wet stucco 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 stucco concentrate. Wet stucco is caustic and personal protective equipment, and proper work hygiene, must be employed for protection against personal injury.

12 - ECOLOGICAL INFORMATION

There is no data available about this topic.

13 - DISPOSAL CONSIDERATIONS

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.

14 - TRANSPORT INFORMATION

US DOT PROPER SHIPPING DESCRIPTION: Not applicable.

15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

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 Air Pollutants:

*** No reportable quantities are present. ***

This product contains the following components present at or above the minimum level and listed as Extremely Hazardous Air Pollutants:

*** No reportable quantities are present. ***

EPA VOC REGULATIONS:

THEORETICAL VOC FOR THIS PRODUCT =0.0 lb/gl(0 g/l)

OSHA:

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200). Unlisted ingredients are not 'hazardous' per OSHA standard.

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 2 of this MSDS.

PORTLAND CEMENT65997-15-1

MAGNESIUM SILICATE14807-96-6

SARA SECTION 302 (40CFR355.30), AND SECTION 304 (40CFR355.40):

This product contains the following chemicals that require emergency planning based on Threshold Planning Quantities (TPQ) or release reporting based on Reportable Quantities (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. ***

TSCA:

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

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.

| Chemical Name | CAS Number |
|--------------------|------------|
| ----- | ----- |
| CRYSTALLINE SILICA | 14808-60-7 |
| CRYSTALLINE SILICA | 14808-60-7 |
| PORTLAND CEMENT | 65997-15-1 |
| CALCIUM CARBONATE | 16389-88-1 |
| MAGNESIUM SILICATE | 14807-96-6 |

16 - OTHER INFORMATION

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