SAFETY DATA SHEET
Merkrete 720 Dustless LHT Mortar Wht

1. Identification

Product Identifier

Product name: Merkrete 720 Dustless LHT Mortar Wht
Product number: 4306

Recommended use of the chemical and restrictions on use

Application: Ceramic Tile Adhesive
Uses advised against: No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Manufacturer: ParexUSA, Inc.
4125 E. La Palma Ave, Suite 250
Anaheim, CA 92807, USA
T: 1-800-226-2424
F: 1-714-774-2079

Emergency telephone number

Emergency telephone: CHEMTREC
1-800-424-9300

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards: Not Classified
Environmental hazards: Not Classified

Label elements

Pictogram

Signal word: Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.
**Precautionary statements**

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust.
P261 Avoid breathing dust.
P264 Wash contaminated 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 must not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P302+P352 If on skin: Wash with plenty of water.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
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 Immediately call a poison center/ doctor.
P312 Call a poison center/ doctor if you feel unwell.
P314 Get medical advice/ attention if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

**Contains**

Quartz, Portland Cement

**Other hazards**

This product does not contain any substances classified as PBT or vPvB.

**3. Composition/information on ingredients**

<table>
<thead>
<tr>
<th>Mixtures</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Quartz</strong></td>
<td>60-100%</td>
</tr>
<tr>
<td>CAS number:</td>
<td>14808-60-7</td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td></td>
</tr>
<tr>
<td>Carc. 1A - H350</td>
<td></td>
</tr>
<tr>
<td>STOT RE 1 - H372</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Portland Cement</th>
<th>30-60%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number:</td>
<td>65997-15-1</td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td></td>
</tr>
<tr>
<td>Skin Corr. 1A - H314</td>
<td></td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
<td></td>
</tr>
<tr>
<td>Carc. 1B - H350</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3 - H335</td>
<td></td>
</tr>
</tbody>
</table>
The full text for all hazard statements is displayed in Section 16.

Composition comments
The exact percentage is withheld as a trade secret in accordance with 29 CFR 1910.1200.

4. First-aid measures

Description of first aid measures

General information
Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.

Ingestion
Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention.

Skin Contact
It is important to remove the substance from the skin immediately. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognized skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.

Eye contact
Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

Protection of first aiders
First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.

Ingestion
May cause sensitization or allergic reactions in sensitive individuals. May be harmful if swallowed. May cause irritation. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.

Skin contact
May cause skin sensitization or allergic reactions in sensitive individuals. Redness. Irritating to skin. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.

Eye contact
Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

Indication of immediate medical attention and special treatment needed
Merkrete 720 Dustless LHT Mortar Wht

Notes for the doctor
Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.

5. Fire-fighting measures

Extinguishing media
Suitable extinguishing media
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture
Specific hazards
None known.

Hazardous combustion products
Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters
Protective actions during firefighting
Avoid breathing fire gases or vapors. Evacuate area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Avoid inhalation of dust and vapors. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.

Environmental precautions
Environmental precautions
Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

Methods and material for containment and cleaning up

Methods for cleaning up
Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

Reference to other sections
For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling
Merkrete 720 Dustless LHT Mortar Wht

**Usage precautions**
Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. May cause cancer. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

**Advice on general occupational hygiene**
Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities**

**Storage precautions**
Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

**Specific end uses(s)**
The identified uses for this product are detailed in Section 1.

**8. Exposure Controls/personal protection**

**Control parameters**

**Occupational exposure limits**

**Quartz**
Long-term exposure limit (8-hour TWA): OSHA 0.05 mg/m³ respirable dust  
Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction  
A2  

**Portland Cement**
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust  
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction  
Long-term exposure limit (8-hour TWA): ACGIH 1 mg/m³ respirable fraction  
A4  

**Kaolin Clay**
Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ respirable fraction  
A4  
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction  
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust  

OSHA = Occupational Safety and Health Administration.  
ACGIH = American Conference of Governmental Industrial Hygienists.  
A4 = Not Classifiable as a Human Carcinogen.  
A2 = Suspected Human Carcinogen.

**Quartz (CAS: 14808-60-7)**

Immediate danger to life and health  
25 mg/m³ 50 mg/m³

**Portland Cement (CAS: 65997-15-1)**

Immediate danger to life and health  
5000 mg/m³

**Exposure controls**
Merkrete 720 Dustless LHT Mortar Wht

**Protective equipment**

Provide adequate ventilation.

**Appropriate engineering controls**

Avoid contact with eyes. Wear eye protection.

**Eye/face protection**

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

**Hand protection**

Wear appropriate clothing to prevent any possibility of skin contact.

**Other skin and body protection**

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

**Respiratory protection**

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Gas and combination filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

**Environmental exposure controls**

Keep container tightly sealed when not in use. Avoid release to the environment.

---

9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

- **Appearance**: Powder.
- **Color**: White/off-white.
- **Odor**: Odorless.
- **Odor threshold**: No information available.
- **pH**: 12-13 in water
- **Melting point**: Not available.
- **Initial boiling point and range**: No information available.
- **Flash point**: No information available.
- **Evaporation rate**: No information available.
- **Flammability (solid, gas)**: No information available.
- **Upper/lower flammability or explosive limits**: No information available.
- **Vapor pressure**: No information available.
- **Vapor density**: No information available.
Merkrete 720 Dustless LHT Mortar Wht

Relative density
No information available.

Solubility(ies)
No information available.

Partition coefficient
No information available.

Auto-ignition temperature
No information available.

Decomposition Temperature
No information available.

Viscosity
No information available.

Other information
None.

Volatile organic compound
This product contains a maximum VOC content of 0.0 g/l.

10. Stability and reactivity

Reactivity
There are no known reactivity hazards associated with this product.

Stability
Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

Possibility of hazardous reactions
No potentially hazardous reactions known.

Conditions to avoid
There are no known conditions that are likely to result in a hazardous situation.

Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

Hazardous decomposition products
Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral
Notes (oral LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - dermal
Notes (dermal LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
Based on available data the classification criteria are not met.

Skin corrosion/irritation
Animal data
Irritating.

Serious eye damage/irritation
Serious eye damage/irritation
Eye Dam. 1 - H318 Causes serious eye damage.

Respiratory sensitization
Respiratory sensitization
Based on available data the classification criteria are not met.

Skin sensitization
Skin sensitization
May cause skin sensitization or allergic reactions in sensitive individuals.

Germ cell mutagenicity

7/12
**Merkrete 720 Dustless LHT Mortar Wht**

**Genotoxicity - in vitro**
Based on available data the classification criteria are not met.

**Carcinogenicity**
May cause cancer.

**IARC carcinogenicity**
Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.

**Reproductive toxicity**

**Reproductive toxicity - fertility**
Suspected of damaging fertility.

**Reproductive toxicity - development**
Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

**STOT - single exposure**
STOT SE 3 - H335 May cause respiratory irritation.

**Target organs**
Respiratory system, lungs

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure**
STOT RE 1 - H372 Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard**
Not relevant. Solid.

**General information**
May cause cancer after repeated exposure. Risk of cancer depends on duration and level of exposure. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**
A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.

**Ingestion**
May be harmful if swallowed. May cause sensitization or allergic reactions in sensitive individuals. May cause irritation.

**Skin Contact**
Exposure of skin to wet product may cause chemical burns. Symptoms of exposure may take several hours to manifest. May cause skin sensitization or allergic reactions in sensitive individuals. Redness. Irritating to skin.

**Eye contact**
Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness. Exposure of eyes to wet product may cause chemical burns and blindness. Exposure to airborne dust can cause immediate or delayed irritation or inflammation.

**Route of entry**
Ingestion Inhalation Skin and/or eye contact

**Target Organs**
Respiratory system, lungs

**Medical considerations**
Skin disorders and allergies.

12. Ecological Information

**Ecotoxicity**
Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

**Toxicity**
Based on available data the classification criteria are not met.

**Persistence and degradability**
The degradability of the product is not known.
Merkrete 720 Dustless LHT Mortar Wht

- **Bioaccumulative potential**
  - Bio-Accumulative Potential: No data available on bioaccumulation.
  - Partition coefficient: No information available.

- **Mobility in soil**
  - Mobility: No data available.

- **Other adverse effects**
  - Other adverse effects: None known.

### 13. Disposal considerations

#### Waste treatment methods

**General information**
The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods**
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 14. Transport information

**General**
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

**UN Number**
Not applicable.

**UN proper shipping name**
Not applicable.

**Transport hazard class(es)**
No transport warning sign required.

**Packing group**
Not applicable.

**Environmental hazards**
Environmentally Hazardous Substance
No.

**Special precautions for user**
Not applicable.

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

### 15. Regulatory information

**US Federal Regulations**
Merkrete 720 Dustless LHT Mortar Wht

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed or exempt.

SARA 313 Emission Reporting
None of the ingredients are listed or exempt.

CAA Accidental Release Prevention
None of the ingredients are listed or exempt.

FDA - Essential Chemical
None of the ingredients are listed or exempt.

FDA - Precursor Chemical
None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories
None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals
None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
The following ingredients are listed or exempt:

California Air Toxics "Hot Spots" (A-I)
The following ingredients are listed or exempt:

California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances
The following ingredients are listed or exempt:

Massachusetts "Right To Know" List
The following ingredients are listed or exempt:

Quartz
Present.

Portland Cement
Present.

Rhode Island "Right To Know" List
The following ingredients are listed or exempt:

Quartz
Present.

Portland Cement
Present.
Merkrete 720 Dustless LHT Mortar Wht

Minnesota "Right To Know" List
The following ingredients are listed or exempt:
- Quartz
  Present.
- Portland Cement
  Present.

New Jersey "Right To Know" List
The following ingredients are listed or exempt:
- Quartz
  Present.
- Portland Cement
  Present.

Pennsylvania "Right To Know" List
The following ingredients are listed or exempt:
- Quartz
  Present.
- Portland Cement
  Present.

Inventories
US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
None of the ingredients are listed or exempt.

16. Other information

<table>
<thead>
<tr>
<th>Training advice</th>
<th>Read and follow manufacturer's recommendations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision comments</td>
<td>This is first issue.</td>
</tr>
<tr>
<td>Revision date</td>
<td>3/23/2018</td>
</tr>
<tr>
<td>SDS No.</td>
<td>4638</td>
</tr>
<tr>
<td>ACA HMIS Health rating.</td>
<td>1</td>
</tr>
<tr>
<td>ACA HMIS Flammability rating.</td>
<td>0</td>
</tr>
<tr>
<td>ACA HMIS Physical hazard rating.</td>
<td>0</td>
</tr>
<tr>
<td>ACA HMIS Personal protection rating.</td>
<td>E</td>
</tr>
</tbody>
</table>
Merkrete 720 Dustless LHT Mortar Wht

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.