SAFETY DATA SHEET
Merkrete 705 Dustless Proset Plus W

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

1.1. Product identifier
Product name Merkrete 705 Dustless Proset Plus W
Product number 4302

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Ceramic Tile Adhesive
Uses advised against No specific uses advised against are identified.

1.3. 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

1.4. Emergency telephone number
Emergency telephone CHEMTREC
1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 1A - H350 STOT SE 3 - H335 STOT RE 1 - H372
Environmental hazards Not Classified

2.2. Label elements
Pictogram

Signal word Danger
Hazard statements H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.
Merkrete 705 Dustless Proset Plus W

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 should not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
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.
P309+P313 IF swallowed: Do not induce vomiting if person is unconscious. Call a POISON CENTER/ doctor if you feel unwell.
P310 Immediately call a POISON CENTER/ doctor if you feel unwell.
P312 Call a POISON CENTER/ doctor if you feel unwell.
P314 Get medical advice/ attention if you feel unwell.
P315 Specific treatment (see medical advice on this label).
P332+P333 If skin irritation occurs: Get medical advice/ attention.
P333+P334 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it 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

Portland Cement, Quartz

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Portland Cement</th>
<th>10-30%</th>
</tr>
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<tbody>
<tr>
<td>CAS number: 65997-15-1</td>
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</tbody>
</table>

Classification

- Skin Irrit. 2 - H315
- Eye Dam. 1 - H318
- Skin Sens. 1 - H317
- Carc. 1B - H350
- STOT SE 3 - H335
- STOT RE 2 - H373

<table>
<thead>
<tr>
<th>Quartz</th>
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<tr>
<td>CAS number: 14808-60-7</td>
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</table>

Classification

- Carc. 1A - H350
- STOT RE 1 - H372
Merkrete 705 Dustless Proset Plus W

<table>
<thead>
<tr>
<th>Calcium Carbonate</th>
<th>10-30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 1317-65-3</td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td>Skin Irrit. 2 - H315</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Kaolin Clay</th>
<th>&lt;1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 1332-58-7</td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td>Skin Irrit. 2 - H315</td>
</tr>
<tr>
<td></td>
<td>Eye Irrit. 2 - H319</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. 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 sensitisation symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognised 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.

4.2. 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 sensitisation 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.
Merkrete 705 Dustless Proset Plus W

Skin contact
May cause skin sensitisation 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.

4.3. Indication of any immediate medical attention and special treatment needed
Notes for the doctor
Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.

SECTION 5: Firefighting measures

5.1. 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.

5.2. 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 vapours.

5.3. Advice for firefighters
Protective actions during firefighting
Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, 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. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. 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 vapours. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.

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

6.3. 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.

6.4. Reference to other sections
Merkrete 705 Dustless Proset Plus W

**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.

**SECTION 7: Handling and storage**

7.1. Precautions for safe handling

**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. Wash contaminated clothing before reuse.

7.2. 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.

**Storage class**
Chemical storage.

7.3. Specific end use(s)

**Specific end use(s)**
The identified uses for this product are detailed in Section 1.2.

**SECTION 8: Exposure Controls/personal protection**

8.1. Control parameters

**Occupational exposure limits**

**Portland Cement**
- Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust
- Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

**Calcium Carbonate**
- Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust
- Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust
- Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust
- Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust
- Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

**Kaolin Clay**
- Long-term exposure limit (8-hour TWA): WEL 2 mg/m³ respirable dust

WEL = Workplace Exposure Limit

8.2. Exposure controls

**Protective equipment**

**Eye/face protection**
Avoid contact with eyes. Wear eye protection.
Merkrete 705 Dustless Proset Plus W

Hand 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 European Standard EN374. 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.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures
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 ‘CE’-marked. Gas and combination filter cartridges should comply with European Standard EN14387. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

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

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
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<tr>
<td>pH</td>
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<tr>
<td>Melting point</td>
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<tr>
<td>Initial boiling point and range</td>
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<tr>
<td>Flash point</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
</tr>
<tr>
<td>Upper/lower flammability or</td>
<td>No information available</td>
</tr>
<tr>
<td>explosive limits</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
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<tr>
<td>Vapour density</td>
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<tr>
<td>Relative density</td>
<td>21.96 lb/gal @ 20°C</td>
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<tr>
<td>Solubility(ies)</td>
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<tr>
<td>Partition coefficient</td>
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</tr>
<tr>
<td>Auto-ignition temperature</td>
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</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available</td>
</tr>
</tbody>
</table>

9.2. Other information
**Merkrete 705 Dustless Proset Plus W**

### Other information
- None.

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

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity
- **Reactivity**: There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability
- **Stability**: Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions
- **Possibility of hazardous reactions**: No potentially hazardous reactions known.

#### 10.4. Conditions to avoid
- **Conditions to avoid**: There are no known conditions that are likely to result in a hazardous situation.

#### 10.5. Incompatible materials
- **Materials to avoid**: No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 10.6. Hazardous decomposition products
- **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 vapours.

### SECTION 11: Toxicological information

#### 11.1. 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**
  - Eye Dam. 1 - H318 Causes serious eye damage.
- **Respiratory sensitisation**
  - Based on available data the classification criteria are not met.
- **Skin sensitisation**
  - May cause skin sensitisation or allergic reactions in sensitive individuals.
- **Germ cell mutagenicity**
  - Based on available data the classification criteria are not met.
- **Carcinogenicity**
  - May cause cancer.
Merkrete 705 Dustless Proset Plus W

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 sensitisation 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 sensitisation 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.

SECTION 12: Ecological Information

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

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

12.2. Persistence and degradability
Persistence and degradability The degradability of the product is not known.

12.3. Bioaccumulative potential
Bioaccumulative potential No data available on bioaccumulation.
Partition coefficient No information available.
Merkrete 705 Dustless Proset Plus W

12.4. Mobility in soil
Mobility  No data available.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects
Other adverse effects  None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information  The generation of waste should be minimised 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.

SECTION 14: Transport information

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

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

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

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
Not applicable.

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Merkrete 705 Dustless Proset Plus W

National regulations
Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.

EU legislation
Dangerous Preparations Directive 1999/45/EC.
Dangerous Substances Directive 67/548/EEC.

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

Inventories
EU - EINECS/ELINCS
None of the ingredients are listed or exempt.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008

Training advice
Read and follow manufacturer's recommendations.

Revision comments
This is first issue.

Revision date
02/03/2018

SDS number
4639

Hazard statements in full
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed or in contact with skin.

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.