Emergency Overview: A white to off-white powder product with a little or no odor. WARNING! May cause eye, skin, nose, throat and respiratory tract irritation. Removal of this product after use or by dry sanding will generate dust and exposure to this dust may be irritating to the eyes, ears, nose and mouth. Avoid skin and eye contact. May cause burns. If dry-sanded, exposure to dust may result in build-up of material in eyes, ears, nose, and mouth.

Refer to other MSDS sections for other detailed information.

Effects Of Overexposure - Eye Contact: May cause eye irritation.

Effects Of Overexposure - Skin Contact: May cause skin irritation. May cause dry skin. May develop enough heat to cause burns if a large mass such as a cast of hand or arm, is kept in contact with skin while hardening.

Effects Of Overexposure - Inhalation: Inhalation of dust may cause lung damage or other adverse pulmonary and respiratory effects.

Effects Of Overexposure - Ingestion: Ingestion may result in obstruction when material hardens. Irritating to mouth, throat and stomach.

Effects Of Overexposure - Chronic Hazards:

The International Agency for Research on Cancer (IARC) has determined that crystalline silica in the form of quartz or cristobalite that is inhaled from occupational sources is carcinogenic to humans (Group 1 - carcinogenic to humans). Refer to IARC Monograph 68, Silica, Some Silicates and Organic Fibres (published in June 1997) in conjunction with the use of...
these materials. The National Toxicology Program (NTP) classifies respirable crystalline silica as "known to be a human carcinogen". Refer to the 9th Report on Carcinogens (2000). The American Conference of Governmental Industrial Hygienists (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (Group A2).

Inhalation of dust may result in pulmonary and respiratory damages. Breathing dust containing respirable crystalline silica may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may have the following serious chronic health effects: Excessive inhalation of respirable dust can cause pneumoconiosis, a respiratory disease, which can result in delayed, progressive, disabling and sometimes fatal lung injury. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. Smoking exacerbates this disease. Individuals with pneumoconiosis are predisposed to develop tuberculosis. There is some evidence that breathing respirable crystalline silica or the disease silicosis is associated with an increased incidence of significant disease endpoints such as scleroderma (an immune system disorder manifested by fibrosis of the lungs, skin and other internal organs) and kidney disease.

Primary Route(s) Of Entry: Skin Contact, Inhalation, Eye Contact

Medical Conditions which May be Aggravated by Exposure: If dry sanded, asthma and asthma-like conditions may worsen from prolonged or repeated exposure to dust.

Carcinogenicity:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
</table>

Section 3 - Composition / Information On Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CASRN</th>
<th>Wt%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plaster of paris</td>
<td>26499-65-0</td>
<td>60-100</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>7-13</td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>14808-60-7</td>
<td>0.5-1.5</td>
</tr>
</tbody>
</table>

Section 4 - First Aid Measures

First Aid - Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

First Aid - Skin Contact: Wash thoroughly with soap and water. If skin irritation persists, call a physician.

First Aid - Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

First Aid - Ingestion: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

Note to Physician: None.

COMMENTS: If over-exposure occurs, call your poison control center at 1-800-222-1222.

Section 5 - Fire Fighting Measures

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: Material will not burn. None known.
**Special Firefighting Procedures:** Wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

### Section 6 - Accidental Release Measures

**Steps To Be Taken If Material Is Released Or Spilled:** Wear proper protective equipment as specified in Section 8. Use personal protective equipment as necessary. Sweep up excess powder. Place remaining powder into containers.

### Section 7 - Handling And Storage

**Handling:** KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Keep containers away from excessive heat and freezing. Use in well ventilated area. Provide fresh air such that chemical odors cannot be detected during use and while drying. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Do not breathe dust. Prevent build up of dust by providing fresh air such that dust cannot be detected during use of this product or while sanding this product. Removal of this product after use will result in the generation of Dust. If dry-sanded, exposure to dust may result in the build-up of material in eyes, ears, nose, and mouth which may cause irritation. While dry sanding, use of a NIOSH-approved dust mask is recommended.

**Storage:** Keep containers tightly closed. Do not store at temperatures above 120 degrees F. Store containers away from excessive heat and freezing. Store away from caustics and oxidizers.

### Section 8 - Exposure Controls / Personal Protection

| Chemical Name   | CASRN | ACGIH TWA | ACGIH STEL | ACGIH CEIL | OSHA TWA | OSHA STEL | OSHA CEIL | Skin |
|-----------------|-------|-----------|------------|------------|----------|-----------|-----------|
| Plaster of Paris| 26499-65-0 | 10 MGM3 | N.E. | N.E. | 5 MGM3 | N.E. | N.E. | No |
| Limestone       | 1317-65-3 | 10 MGM3 | N.E. | N.E. | 5 MGM3 | N.E. | N.E. | No |
| Silica, crystalline | 14808-60-7 | 0.025 MGM. | N.E. | N.E. | 10/(%SiO2 + 2) MGM3 | N.E. | N.E. | No |

**Exposure Notes:**

14808-60-7 The 2002 ACGIH Threshold Limit Values for Chemical Substances and Physical Agents lists the median Respirable Particulate Mass (RPM) point for crystalline silica at 4.0 microns in terms of the particle's aerodynamic diameter.

The TLVs for crystalline silica represent the respirable fraction.

OSHA PEL TWA for Quartz is calculated using the following formula: 10 mg/m3/(% SiO2 + 2). Both concentration and percent quartz for the application of this limit are to be determined from the fraction passing a size selector with the following characteristics.

<table>
<thead>
<tr>
<th>Aerodynamic diameter (unit density sphere)</th>
<th>Percent passing selector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>90.</td>
</tr>
<tr>
<td>2.5</td>
<td>75.</td>
</tr>
<tr>
<td>3.5</td>
<td>50.</td>
</tr>
<tr>
<td>5.0</td>
<td>25.</td>
</tr>
<tr>
<td>10</td>
<td>0.</td>
</tr>
</tbody>
</table>

**Precautionary Measures:** Contact lenses pose a special hazard; soft lenses may absorb and all lenses concentrate irritants.

**Engineering Controls:** While mixing, provide sufficient mechanical ventilation (local or general exhaust) to maintain exposure below PEL and TLV. If dry-sanding, provide sufficient mechanical ventilation to maintain exposure below PEL and TLV. Wet sanding is recommended to avoid generation of dust.

**Respiratory Protection:**
National Institute for Occupational Safety and Health (NIOSH) has recommended that the permissible exposure limit be changed to 50 micrograms respirable free silica per cubic meter of air (0.05 mg/m3) as determined by a full shift sample up
to 10-hour work shift.

**Skin Protection:** Wear gloves with repeated or prolonged use.

**Eye Protection:** Goggles or safety glasses with side shields.

**Other protective equipment:** Provide eyewash. Provide coveralls if body contact may occur.

**Hygienic Practices:** Remove and wash contaminated clothing before re-use.

**Important:** Listed Permissible Exposure Levels (PEL) are from the U.S. Dept. of Labor OSHA Final Rule Limits (CFR 29 1910.1000); these limits may vary between states.

**Note:** An employee's skin exposure to substances having a "YES" in the "SKIN" column in the table above shall be prevented or reduced to the extent necessary under the circumstances through the use of gloves, coveralls, goggles or other appropriate personal protective equipment, engineering controls or work practices.

### Section 9 - Physical And Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Range</td>
<td>Not Established</td>
</tr>
<tr>
<td>Odor:</td>
<td>Little or None</td>
</tr>
<tr>
<td>Color:</td>
<td>White to Off-White</td>
</tr>
<tr>
<td>Solubility in H2O:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Freeze Point:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Physical State:</td>
<td>Powder</td>
</tr>
<tr>
<td>Flash Point, F:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Lower Explosive Limit, %:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>2.85</td>
</tr>
<tr>
<td>pH:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Flammability:</td>
<td>Non-Flammable</td>
</tr>
<tr>
<td>Method:</td>
<td>(Not Applicable)</td>
</tr>
<tr>
<td>Upper Explosive Limit, %:</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

When reported, vapor pressure of this product has been calculated theoretically based on its constituent makeup and has not been determined experimentally.

(See section 16 for abbreviation legend)

### Section 10 - Stability And Reactivity

**Conditions To Avoid:** Do not breathe dust. Excessive heat and freezing.

**Incompatibility:** Incompatible with strong bases and oxidizing agents.

**Hazardous Decomposition Products:** Normal decomposition products, i.e., COx, NOx.

**Hazardous Polymerization:** Hazardous polymerization will not occur under normal conditions.

**Stability:** Stable under recommended storage conditions.

### Section 11 - Toxicological Information

**Product LD50:** Not Established  
**Product LC50:** Not Established

None

**Significant Data with Possible Relevance to Humans:** None.

### Section 12 - Ecological Information

**Ecological Information:** Ecological injuries are not known or expected under normal use.
**Section 13 - Disposal Information**

**Disposal Information:** Dispose of material in accordance with all federal, state and local regulations. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

**EPA Waste Code if Discarded (40 CFR Section 261):** This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulation, 40 CFR Section 261.

**Section 14 - Transportation Information**

<table>
<thead>
<tr>
<th>DOT Proper Shipping Name:</th>
<th>Not Regulated.</th>
<th>Packing Group:</th>
<th>N.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Technical Name:</td>
<td>N.A.</td>
<td>Hazard Subclass:</td>
<td>N.A.</td>
</tr>
<tr>
<td>DOT Hazard Class:</td>
<td>N.A.</td>
<td>DOT UN/NA Number:</td>
<td>None</td>
</tr>
</tbody>
</table>

Note: The shipping information provided is applicable for domestic ground transport only. Different categorization may apply if shipped via other modes of transportation and/or to non-domestic destinations.

**Section 15 - Regulatory Information**

**CERCLA - SARA Hazard Category:**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard, Chronic Health Hazard

**SARA Section 313:**

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 and 40 CFR part 372:

None

**Toxic Substances Control Act:**

All ingredients in this product are either on TSCA inventory list, or otherwise exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None

**New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product:

None

**Pennsylvania Right-to-Know:**

The following non-hazardous ingredients are present in the product at greater than 3%:
California Proposition 65:

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Section 16 - Other Information

<table>
<thead>
<tr>
<th>HMIS Ratings:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health: 1</td>
</tr>
</tbody>
</table>

Volatile Organic Compounds (VOC), less water less exempts: g/L: 0.0   lb/gal: 0.0   wt:wt%: 0.0

Volatile Organic Compounds (VOC), less water less exempts, less LVP-VOCs: wt:wt%: 0.0

REASON FOR REVISION: Periodic Update

Legend:

- N.A. – Not Applicable
- ACGIH – American Conference of Governmental Industrial Hygienists
- N.E. – Not Established
- SARA – Superfund Amendments and Reauthorization Act of 1986
- N.D. – Not Determined
- NJRTK – New Jersey Right-to-Know Law
- VOC – Volatile Organic Compound
- OSHA – Occupational Safety and Health Administration
- PEL – Permissible Exposure Limit
- HMIS – Hazardous Materials Identification System
- TLV – Threshold Limit Value
- NTP – National Toxicology Program
- CEIL – Ceiling Exposure Limit
- STEL – Short Term Exposure Limit
- LD50 – Lethal Dose 50
- LC50 – Lethal Concentration 50
- F – Degree Fahrenheit
- MSDS – Material Safety Data Sheet
- C – Degree Celsius
- CASRN – The Chemical Abstracts Service Registry Number

DAP believes the data and statements contained herein are accurate as of the date hereof. They are offered in good faith as typical values and not as a product specification. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE WITH REGARD TO THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Since this document is intended only as a guide to the appropriate use and precautionary handling of the referenced product by a properly trained person, it is therefore the responsibility of the user to (i) review the recommendations with due consideration for the specific context of the intended use and (ii) determine if they are appropriate.

<End of MSDS>