

# Material Safety Data Sheet

## 24 Hour Emergency Phone Numbers:

Medical: 1-800-327-3874

1-513-558-5111

Transportation:

1-800-535-5053

1-352-323-3500

•NOTE: National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

**IMPORTANT:** Provide this information to employees, customers, and users of this product. Read this MSDS before handling or disposing of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard. All abbreviated terms used in this MSDS are further described in Section 16.

## Section 1 - Chemical Product / Company Information

This Material Safety Data Sheet is available in Canadian French and Hispanic American Spanish upon request.  
Esta hoja de datos de la seguridad de los materiales está disponible en francés canadiense y en español a su solicitud.  
Los Datos de Seguridad del Producto pueden obtenerse en Espanol si lo requiere.

**Product Name:** DAP® Presto Patch (Dry Mix)  
**Product UPC Number:** 7079858505, 7079858552, 7079858553  
**Product Use/Class:** Presto Patch Dry Mix  
**Manufacturer:** DAP Inc.  
2400 Boston Street Suite 200  
Baltimore, MD 21224-4723  
888-327-8477 (non-emergency matters)

**Revision Date:** 02/15/2007  
**Supersedes:** 12/30/2004  
**MSDS Number:** 00079007001

## Section 2 - Composition / Information On Ingredients

Chemical Name	CASRN	WT%	ACGIH TWA	ACGIH STEL	ACGIH CEIL	OSHA TWA	OSHA STEL	OSHA CEIL	Skin
Plaster of paris	26499-65-0	40-70	10 MGM3	N.E.	N.E.	5 MGM3	N.E.	N.E.	No
Calcium carbonate	1317-65-3	15-40	10 MGM3	N.E.	N.E.	5 MGM3 (respirable fraction)	N.E.	N.E.	No
Silica, crystalline	14808-60-7	0.5-1.5	0.05 MGM.	N.E.	N.E.	10/(% SiO <sub>2</sub> + 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:  $10 \text{ mg/m}^3 / (\% \text{ SiO}_2 + 2)$ . 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.

Aerodynamic diameter ( unit density sphere )	Percent passing selector
2	90
2.5	75
3.5	50
5.0	25
10	0

**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 3 - Hazards Identification

**Emergency Overview:** A white to off-white powder product with a little or no odor. **WARNING: INJURIOUS TO EYES.** May cause burns. When mixed with water, this material hardens and then slowly becomes hot. **DO NOT** attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissues. 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. May cause eye or skin irritation. If dry-sanded, exposure to dust may result in build-up of material in eyes, ears, nose, and mouth. **DO NOT** attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissues.

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 may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

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

**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).

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. Inhalation of dust may result in pulmonary and respiratory damages.

**Primary Route(s) Of Entry:** Skin Contact, Inhalation, Ingestion, 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.

## 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:** If rash or irritation develops, consult a physician.

**First Aid - Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult,

give oxygen. Get medical attention immediately.

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

**Note to Physician:** None.

**COMMENTS:** Call Medical Emergency at 1-800-327-3874 if any irritation or complication arises from any of the above routes of entry.

## Section 5 - Fire Fighting Measures

**Flash Point, F:** Not Applicable  
**Method:** (Not Applicable)

**Lower Explosive Limit, %:** Not Established  
**Upper Explosive Limit, %:** Not Established

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

**Unusual Fire And Explosion Hazards:** None known. Material will not burn.

**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. Sweep up excess powder. Place remaining powder into containers.

## Section 7 - Handling And Storage

**Handling:** KEEP OUT OF REACH OF CHILDREN! Use in well ventilated area. Do not breathe dust. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. 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.

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

## Section 8 - Exposure Controls / Personal Protection

**Precautionary Measures:** Please refer to other sections and subsections of this MSDS.

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

### 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/m<sup>3</sup>) as determined by a full shift sample up to 10-hour work shift. When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full facepiece, supplied air, or Self Contained Breathing Apparatus (SCBA) may be necessary.

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

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

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

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

## Section 9 - Physical And Chemical Properties

<b>Boiling Range:</b>	Not Applicable	<b>Vapor Density:</b>	Not Applicable
<b>Odor:</b>	Little or No	<b>Odor Threshold:</b>	Not Established
<b>Appearance:</b>	White to Off-White	<b>Evaporation Rate:</b>	Not Applicable
<b>Solubility in H2O:</b>	Not Established	<b>Specific Gravity:</b>	2.658
<b>Freeze Point:</b>	Not Applicable	<b>pH:</b>	Not Applicable
<b>Vapor Pressure:</b>	Not Applicable	<b>Viscosity:</b>	Not Established
<b>Physical State:</b>	Powder		

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

**Carcinogenicity:**

CAS No.	Chemical Name	ACGIH	OSHA	IARC	NTP	WT%
14808-60-7	Silica, crvstalline	Suspected human carcinogen.	Not Listed.	Human carcinogen.	Known carcinogen.	0.5-1.5

**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):** None.

## Section 14 - Transportation Information

**DOT Proper Shipping Name:** Not Regulated  
**DOT Technical Name:** N.A.  
**DOT Hazard Class:** N.A.

**Packing Group:** N.A.  
**Hazard Subclass:** N.A.  
**DOT UN/NA Number:** None

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

## U.S. State Regulations

### 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%:

None

### California Proposition 65:

Warning: The following ingredients present in the product are known to the State of California to cause cancer:

Chemical Name	CAS Number	Definition	Date Listed	WT%
Silica, crystalline	14808-60-7	Carcinogenic.	Listed: October 1, 1988	0.5-1.5

Warning: The following ingredients present in the product are known to the State of California to cause birth defects or other reproductive harm:

None

## Section 16 - Other Information

### HMIS Ratings:

Health:                      Flammability:                      Reactivity:                      Personal Protection:

**VOLATILE ORGANIC COMPOUNDS**, GR/LTR: 0.0                      LB/GAL: 0.0    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
STEL – Short Term Exposure Limit	CEIL – Ceiling Exposure Limit
LD50 – Lethal Dose 50	LC50 – Lethal Concentration 50
F – Degree Fahrenheit	C – Degree Celsius
MSDS – Material Safety Data Sheet	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>