



# Material Safety Data Sheet

An **RPM** Company

**24 Hour Emergency Phone Numbers:**  
**Medical/Poison Control:**  
**In U.S.: Call 1-800-222-1222**  
**Outside U.S.: Call your local poison control center**  
**Transportation/National Response Center:**  
**1-800-535-5053**  
**1-352-323-3500**

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 ●NOTE: The 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.  
 On peut demander cette fiche signalétique (MSDS) a la langue francaise-canadienne.  
 Los Datos de Seguridad del Producto pueden obtenerse en Espanol si lo riquiere.

**Product Name:** Concrete Floor Leveler Dry Mix  
**Product UPC Number:** 070798104143 070798104167  
**Product Use/Class:** Underlayment Mixture  
**Manufacturer:** **DAP Inc.**  
**2400 Boston Street Suite 200**  
**Baltimore, MD 21224-4723**  
**888-327-8477 (non-emergency matters)**

**Revision Date:** 03/24/2009  
**Supersedes:** 12/30/2004  
**MSDS Number:** 00071028001

## Section 2 - Hazards Identification

**Emergency Overview:** A gray powder product with a little or no odor. **WARNING: INJURIOUS TO EYES. CAUSES SKIN IRRITATION.** Contains Portland Cement. May cause irritation to the respiratory tract. If dry-sanded, exposure to dust may result in build-up of material in eyes, ears, nose, and mouth. 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.

Refer to other MSDS sections for other detailed information.

**Effects Of Overexposure - Eye Contact:** Causes eye irritation.

**Effects Of Overexposure - Skin Contact:** Causes skin irritation. 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. Wet cement can dry skin and cause alkali burns.

**Effects Of Overexposure - Inhalation:** Inhalation causes irritation to the respiratory tract (nose, mouth, throat, mucous membranes).

**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).

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, 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.

**Carcinogenicity:**

CAS No.	Chemical Name	ACGIH	OSHA	IARC	NTP
14808-60-7	Silica, crystalline	Suspected human carcinogen.	Not Listed.	Human carcinogen.	Known carcinogen.
13463-67-7	Titanium dioxide	Not Listed.	Not Listed.	Possible carcinogen.	Not Listed.

### Section 3 - Composition / Information On Ingredients

Chemical Name	CASRN	Wt%
Silica, crystalline	14808-60-7	40-70
Portland cement	65997-15-1	15-40
Limestone	1317-65-3	10-30
Calcium sulfate	7778-18-9	1-5
Titanium dioxide	13463-67-7	<0.03

### 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 inhaled, remove to fresh air. If breathing is difficult, leave the area to obtain fresh air. If continued breathing difficulty is experienced, get medical attention immediately.

**First Aid - Ingestion:** Call a physician or Poison Control Center immediately. Do not induce vomiting.

**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

**Unusual Fire And Explosion Hazards:** Material will not burn.

**Special Firefighting Procedures:** 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! Keep containers closed when not in use. Do not get in eyes. Avoid contact with skin and eyes. Avoid prolonged or repeated contact with skin. Do not inhale dusts of this product. Wash thoroughly after handling.

**Storage:** Store containers away from excessive heat and freezing.

## Section 8 - Exposure Controls / Personal Protection

Chemical Name	CASRN	ACGIH TWA	ACGIH STEL	ACGIH CEIL	OSHA TWA	OSHA STEL	OSHA CEIL	Skin
Silica, crystalline	14808-60-7	0.025 MGM.	N.E.	N.E.	10/(%SiO <sub>2</sub> + 2) MGM3	N.E.	N.E.	No
Portland cement	65997-15-1	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 (respirable fraction)	N.E.	N.E.	No
Calcium sulfate	7778-18-9	10 MGM3	N.E.	N.E.	5 MGM3	N.E.	N.E.	No
Titanium dioxide	13463-67-7	10 MGM3	N.E.	N.E.	15 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

**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.

**Respiratory Protection:** A respiratory protection program that meets the OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

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.

**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:** Follow all MSDS / label precautions even after container is emptied because it may retain product residues.

**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

<b>Boiling Range:</b>	Not Established	<b>Vapor Density:</b>	Not Established
<b>Odor:</b>	Little or None	<b>Odor Threshold:</b>	Not Established
<b>Color:</b>	Gray	<b>Evaporation Rate:</b>	Not Established
<b>Solubility in H<sub>2</sub>O:</b>	Not Established	<b>Specific Gravity:</b>	2.8
<b>Freeze Point:</b>	Not Established	<b>pH:</b>	Not Established
<b>Vapor Pressure:</b>	Not Established	<b>Viscosity:</b>	Not Established
<b>Physical State:</b>	Powder	<b>Flammability:</b>	Non-Flammable
<b>Flash Point, F:</b>	N.A.	<b>Method:</b>	(Not Applicable)
<b>Lower Explosive Limit, %:</b>	Not Established	<b>Upper Explosive Limit, %:</b>	Not Established

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:** Excessive heat and freezing.

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

**Hazardous Decomposition Products:** Normal decomposition products, i.e., CO<sub>x</sub>, NO<sub>x</sub>.

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

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

## Section 11 - Toxicological Information

**Product LD<sub>50</sub>:** Not Established

**Product LC<sub>50</sub>:** Not Established

None

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

## Section 12 - Ecological Information

**Ecological Information:** None known.

## Section 13 - Disposal Information

**Disposal Information:** Dispose of material in accordance with all federal, state and local regulations.

**EPA Waste Code if Discarded (40 CFR Section 261):** None.

## Section 14 - Transportation Information

<b>DOT Proper Shipping Name:</b>	Not Regulated.	<b>Packing Group:</b>	N.A.
<b>DOT Technical Name:</b>	N.A.	<b>Hazard Subclass:</b>	N.A.
<b>DOT Hazard Class:</b>	N.A.	<b>DOT UN/NA Number:</b>	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

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

## Section 16 - Other Information

### HMIS Ratings:

Health: 2                      Flammability: 0                      Reactivity: 0                      Personal Protection: X

**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>