

SAFETY DATA SHEET

Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Names: Calstone Deck Mud

Product Code: SMM—0050DM

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Use: Calstone Deck Mud is used as an underlayment for all types of pavers, tile, and marble on floors and countertops.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Name/Address: Calstone Company 426 E Grant Line Road, Tracy CA 95376

Telephone Number: (209) 833-7366

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: No additional information available

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

GHS Hazard Classification

Skin Corr. C1C	H314 - Causes severe skin burns and eye damage.
Eye Dam. C1	H318 – Causes serious eye damage.
Skin Sens. C1	H317 - May cause respiratory irritation.
Inhalation. C1A	H350i - May cause cancer by inhalation.
Respiratory. C3	H335 - May cause respiratory irritation.
Systemic Tox. C1	H372 - Causes damage to organs (lungs) through prolonged or repeated exposure.

Full text of hazard classes and H-statements : see section 16

2.2 LABEL ELEMENTS

Hazard Pictogram (GHS-US):



Signal Word (GHS-US): DANGER

Hazard Statement (GHS-US):

H314 – Causes severe skin burns and eye damage.
H317 – May cause an allergic skin reaction.
H335 – May cause respiratory irritation.
H350i – May cause cancer by inhalation.
H372 – Causes damage to organs (lungs) through prolonged or repeated exposure.

Prevention (GHS-US):

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust, fume, gas, mist, vapors, and spray.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.

SAFETY DATA SHEET

- P272 - Contaminated work clothing must not be allowed out of the workplace.
- P280 - Wear protective gloves, protective clothing, face and eye protection.
- P281 - Use personal protective equipment as required.

**Prevention (GHS-US)
Response:**

- P301 + P330 + P331 - If swallowed: Rinse mouth. Do not induce vomiting. Call a poison center or doctor if you feel unwell.
- P303 + P361 + P353 - If on skin (or hair): Immediately take off 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 and/or doctor
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
- P363 - Wash contaminated clothing before reuse.

Storage:

- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
- P405 - Store locked up.

Disposal:

- P501 - Dispose of unused or unwanted concrete products in accordance with all local, regional, national and international regulations.

See Section 11 for more detailed information on health effects and symptoms. There are no hazards not otherwise classified that have been identified during the classification process.

There are no ingredients with unknown acute toxicity used in a mixture at a concentration $\geq 1\%$.

2.3 OTHER HAZARDS

Hazards not otherwise classified: No additional information available

2.4 UNKNOWN ACUTE TOXICITY (GHS-US)

Unknown Acute Toxicity (GHS-US): Not applicable

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCE

Ingredient	CAS-No	GHS-US Classification
Quartz (SiO ₂)	14808-60-7	$\geq 10 - < 20 \%$
Portland cement	65997-15-1	$\geq 10 - < 20 \%$

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SAFETY DATA SHEET

Section 4: FIRST- AID MEASURES

4.1 DESCRIPTION OF THE FIRST AID MEASURE

- Eye:** Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing.
- Skin:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- Inhalation:** Remove person immediately to fresh air. Consult a physician as necessary.
- Ingestion:** Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Prolonged exposure can cause silicosis

- Skin:** Causes eye irritation and eye damage. Eye contact with dry product or splashes of wet product may cause chemical burns and blindness.
- Inhalation:** May cause respiratory irritation. May cause cancer by inhalation. Causes damage to organs through prolonged or repeated exposure.
- Ingestion:** May cause Allergic reactions. Dermatitis.
- Skin:** Do not induce vomiting without medical advice.

See Section 11 for more detailed information on health effects and symptoms.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Protection of first aiders: Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.

Notes to Physician: Treat symptomatically

Section 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

- Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific Extinguishing Methods:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Unsuitable Extinguishing Media:** None

5.2 SPECIAL HAZARDS ARISING FROM THE CHEMICAL

- Fire Hazard:** Not flammable.
- Explosion Hazard:** None known

SAFETY DATA SHEET

5.3 ADVICE FOR FIREFIGHTERS

Protection During Firefighting: In the event of fire, wear self-contained breathing apparatus.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe dust. Do not handle until all safety precautions have been read and understood. Use personal protective equipment. Deny access to unprotected persons.

6.1.1 For Non-Emergency Personnel

No additional information available

6.1.2 For Emergency Responders

No additional information available

6.2 Environmental Precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for Containment: Collect spillage. Arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up immediately using shovel or scoop. Pick up and arrange without creating dust. Dispose of in accordance with local, state, and federal regulations.

6.4 Reference to Other Sections

No additional information available

Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for Safe Handling: Avoid formation of respirable particles. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating, and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Conditions: Prevent unauthorized access. Store in original container. Keep in a well-ventilated place. Observe label precautions. Store in accordance with local regulations.

SAFETY DATA SHEET

7.3 Specific End Uses (materials to avoid)

No data available

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Exposure Guidelines

Component	CAS-No	Basis**	Value	Exposure limit(s) / Form of exposure
Silicon Dioxide	7631-86-9	OSHA Z-3	TWA	20 Million particles per cubic foot dust
		OSHA Z-3	TWA	80 mg/m3 / %SiO2 dust
		OSHA Z-3	TWA	20 Million particles per cubic foot dust
Quartz (SiO2)	14808-60-7	OSHA Z-3	TWA	80 mg/m3 / %SiO2 dust
		OSHA Z-3	TWA	10 mg/m3 / %SiO2+2 respirable
		OSHA Z-3	TWA	250 mppcf / %SiO2+5 respirable
		OSHA P0	TWA	0.1 mg/m3 respirable fraction
		ACGIH	TWA	0.025 mg/m3 respirable fraction
		OSHA Z-1	TWA	0.05 mg/m3 respirable dust
Portland Cement	65997-15-1	ACGIH	TWA	1 mg/m3 respirable fraction
		OSHA Z-1	TWA	15 mg/m3 total dust
		OSHA Z-1	TWA	5 mg/m3 respirable fraction
		OSHA Z-3	TWA	50 Million particles per cubic foot dust
		OSHA P0	TWA	10 mg/m3 total dust
		OSHA P0	TWA	5 mg/m3 respirable dust fraction

*The above-mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**Basis

ACGIH. Threshold Limit Values (TLV)

OSHA P0. Table Z-1, Limit for Air Contaminant (1989 Vacated Values)

OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant

OSHA P2. Permissible Exposure Limits (PEL), Table Z-2

OSHA Z3. Table Z-3, Mineral Dust

8.2 EXPOSURE CONTROLS

Appropriate Engineering Controls:

Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

SAFETY DATA SHEET

8.3 INDIVIDUAL PROTECTIVE MEASURES

Personal Protective Equipment:

Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Eye/Face Protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin/Body Protection:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace.

Hand Protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Respiratory Protection:

Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Other Information:

When using, do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling. Avoid breathing dust.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Powder
Color:	Gray
Odor:	Orderless
Odor Threshold:	No data available
Flash Point:	Note: Not applicable
Ignition temperature:	No data available
Decomposition temperature:	No data available
Lower explosion limit (Vol%)	No data available
Upper explosion limit (Vol%)	No data available
Flammability (solid, gas):	No data available
Oxidizing properties:	No data available
pH:	Note: Not applicable
Melting point/range / Freezing point:	No data available
Boiling point/boiling range:	No data available

SAFETY DATA SHEET

Vapor pressure:	No data available
Density:	ca.3.3 g/cm ³ at 68 °F (20 °C)
Water solubility:	Note: insoluble
Partition coefficient: n-octanol/water:	No data available
Viscosity, Dynamic:	No data available
Viscosity, Kinematic:	Note: Not applicable
Relative vapor density:	No data available
Evaporation rate:	No data available
Burning rate	No data available
Volatile organic compounds (VOC) content	Not applicable

9.2 OTHER INFORMATION

No additional information available

Section 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2 CHEMICAL STABILITY

The product is chemically stable.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Stable under recommended storage conditions.

10.4 CONDITIONS TO AVOID

No data available

10.5 INCOMPATIBLE MATERIALS

No data available

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None.

Section 11: TOXICOLOGICAL INFORMATION

11.1 TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity: Not classified based on available information.

Skin Corrosion/Irritation: Causes severe burns.

Serious Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: Skin sensitization: May cause an allergic skin reaction.
Respiratory sensitization: Not classified based on available information.

Germ Cell Mutagenicity: Not classified based on available information.

Reproductive Toxicity: Not classified based on available information.

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

SAFETY DATA SHEET

Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs (lungs) through prolonged or repeated exposure. Prolonged exposure can cause silicosis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Aspiration Hazard: Not classified based on available information.

Carcinogenicity: May cause cancer by inhalation.

IARC:	Group 1: Carcinogenic to humans	
NPT:	Quartz (SiO2)	1408-60-7
	Known to be human carcinogen	
	Quartz (SiO2)	1408-60-7

Section 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Ecology – General Toxicity: Not classified

12.2 PERSISTENCE AND DEGRADABILITY

No additional information available

12.3 BIOACCUMULATIVE POTENTIAL

No additional information available

12.4 MOBILITY IN SOIL

No additional information available.

12.5 OTHER ADVERSE EFFECTS

Effect on the ozone layer	Do not empty into drains; dispose of this material and its container in a safe way.
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Section 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Disposal Methods

Waste from residues:	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
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Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal.
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Section 14: TRANSPORT INFORMATION

14.1 UN NUMBER

In Accordance with DOT :	Not a dangerous good as defined in transport regulations
In Accordance with IATA :	Not a dangerous good as defined in transport regulations
In Accordance with IMDG :	Not a dangerous good as defined in transport regulations
Special precautions for user:	No data available
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

SAFETY DATA SHEET

Section 15: REGULATORY INFORMATION

15.1 US FEDERAL REGULATIONS

TSCA List

All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

EPCRA

Emergency Planning and Community Right-to-Know U.S. - Minnesota - Hazardous Substance List

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

15.2 US STATE REGULATIONS

State Regulations

California Proposition 65:



WARNING: This product can expose you to chemicals, including Silica, crystalline (airborne particles of respirable size), which is known to the State of California to cause cancer; and chromium (hexavalent compounds), which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to

www.P65Warnings.ca.gov.

SARA 311/312 Hazards
Chronic Health Hazard Skin corrosion or irritation Serious eye damage or eye irritation Respiratory or skin sensitization Carcinogenicity Specific target organ toxicity (single or repeated exposure)

SARA 302
This material does not contain any components with a section 302 EHS TPQ

SARA 313
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

Ozone-Depletion Potential
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

SAFETY DATA SHEET

Section 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Version: 1.0

HMIS Classification:

Health	*	3
Flammability	0	
Physical Hazard	0	
Personal Protection	X	

Caution: HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

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GHS Full Text Phrases:

Skin Corr. C1C	Skin corrosion, Category 1C
Eye Dam. C1	Serious eye damage, Category 1
Skin Sens. C1	Skin sensitization, Category 1
Inhalation C1A	Carcinogenicity, Category 1A (Inhalation)
Respiratory. C3	Specific target organ systemic toxicity - single exposure, Category 3, Respiratory system.
Systemic. C1	Specific target organ systemic toxicity - repeated exposure, Category 1, Lungs.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage
H350i	May cause cancer by inhalation.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.

End of Safety Data Sheet