

Safety Data Sheet

Hand Troweled Step Stones

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1. Identification & Company Identification

Trade Names:

Stepping Stone, Air Conditioner Pad

Product Description:

Formed Concrete

Company Name:

Western States Wholesale
1420 S. Bon View Ave., Ontario, CA 91761

Emergency phone:

(800) 325-6851

Recommended Use:

Decorative landscaping, Air Conditioner Pad

* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of Western States Wholesale published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty express or implied including by incorporation into or reference in Western States Wholesale. Sales Agreement.

2. Hazard(s) Identification

Hazard class

Carcinogen – Category 1A
Skin Corrosion – Category 1B
Skin Sensitization – Category 1B
Specific Target Organ Toxicity Repeat Exposure – Category 1
Specific Target Organ Toxicity: Single Exposure – Category 3

Hazard Pictogram:



Signal Word: Danger

Hazard Statement: May cause cancer through chronic inhalation. Causes severe skin burns and serious eye damage May cause an allergic skin reaction. Causes damage to lungs through prolonged or repeated inhalation. May cause respiratory irritation.

Prevention:

Do not handle until all safety precautions have been read and understood.
Wear impervious gloves, such as nitrile. Wear eye protection, and protective clothing.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Use only in a well-ventilated area.
Do not breathe dust.

Response:

If swallowed: Rinse mouth. Do NOT induce vomiting.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin (or hair): Remove immediately all contaminated clothing and wash before re-use. Rinse skin or hair with water.
If significant skin irritation or rash occurs: get medical advice or attention.
Immediately seek medical advice or attention if symptoms are significant or persist.

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Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Additional Information:

The Portland cement in this product can cause serious, potentially irreversible damage to skin, eye, respiratory and digestive tracts due to chemical (caustic) burns, including third degree burns. Burns from Portland cement may not cause immediate pain or discomfort. You cannot rely on pain to alert you to cement burns. Therefore precautions must be taken to prevent all contact with Portland cement. Cement burns can become worse even after contact has ended. If there is contact with this product, immediately remove all product from body and thoroughly rinse with water. If you experience or suspect a cement burn or inflammation you should immediately see a health care professional.

Skin burns and irritation may be caused by brief exposure, though often are caused by extended exposure of 15 minutes, an hour, or longer. Interaction of Portland cement with water or sweat releases a caustic solution which produces the burns or irritation. Any extended exposure should be treated as though a burn has occurred until determined otherwise.

Skin contact with Portland cement can also cause inflammation of the skin, referred to as dermatitis. Signs and symptoms of dermatitis can include itching, redness, swelling, blisters, scaling, and other changes in the normal condition of the skin. Signs and symptoms of burns include the above and whitening, yellowing, blackening, peeling or cracking of skin.

The Portland cement in this product may cause allergic contact dermatitis in sensitized individuals. This overreaction of the immune system can lead to severe inflammation. Sensitization may result from a single exposure to the low levels of Cr(VI) in Portland cement or repeated exposures over months or years. Sensitization is long lasting and, after sensitization, even very small quantities can trigger the dermatitis. Sensitization is uncommon. Individuals who experience skin problems, including seemingly minor ones, are advised to seek medical attention.

3. Composition/Information on Ingredients

Substance Name	Total Dust	Respirable Dust
Portland Cement (CAS# 65997-15-1) – approx. 0% to 25% by weight		
ACGIH TLV	10 mg/m ³	
OSHA PEL	15 mg/m ³	5 mg/m ³
OSHA PEL		50 mppcf
Cal/OSHA PEL	10 mg/m ³	5 mg/m ³
Gypsum (CAS# 13397-24-5) – approx. 5% to 7% by weight		
ACGIH TLV	10 mg/m ³	
OSHA PEL	15 mg/m ³	5 mg/m ³
Cal/OSHA PEL	10 mg/m ³	5 mg/m ³
Limestone (CAS# 1317-65-3) – approx. 0% to 25% by weight		
ACGIH TLV	10 mg/m ³	
OSHA PEL	15 mg/m ³	5 mg/m ³
Cal/OSHA PEL	10 mg/m ³	5 mg/m ³
Substance Name	Total Dust	Respirable Dust
Crystalline Silica (CAS# 14808-60-7) – approx. 0% to 0.3% by weight		
ACGIH TLV		0.1 mg/m ³

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OSHA PEL	50 M particles/ft ²	8 hour total work exposure	
OSHA PEL	10 mg/m ³	8 hour total work exposure	
OSHA PEL	5 mg/m ³	8 hour total work exposure	
Cal/OSHA PEL	0.3 mg/m ³	0.1 mg/m ³	
Crushed Rock* or Construction Aggregate* (CAS# none) – approx. 75% to 100% by weight			
ACGIH TLV		0.1 mg/m ³	
OSHA PEL	30 mg/m ³	10 mg/m ³	
MSHA PEL	30 mg/m ³	10 mg/m ³	
* Typically contains quartz (crystalline silica) – see above.			
Iron	1309-37-1	93 – 99	5 Mg/m ³ 10 Mg/m ³ (respirable)

4. First-Aid Measures

Description of necessary measures

Eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin: Wash skin with cool water and pH-neutral soap or a mild detergent. If significant skin irritation or rash occurs: get medical advice or attention.

Inhalation: Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. In case of unconsciousness, place patient stably in side position for transportation..

Ingestion: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately. Never give anything by mouth to an unconscious person.

Significant symptoms/effects, acute and delayed.

Eye: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: The Portland cement in this product can cause serious, potentially irreversible damage to skin, eye, respiratory and digestive tracts due to chemical (caustic) burns, including third degree burns. Burns from Portland cement may not cause immediate pain or discomfort. You cannot rely on pain to alert you to cement burns. Therefore precautions must be taken to prevent all contact with Portland cement. Cement burns can become worse even after contact has ended. If there is contact with this product, immediately remove all product from body and thoroughly rinse with water. If you experience or suspect a cement burn or inflammation you should immediately see a health care professional.

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Inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated inhalation. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Indication of immediate medical attention and special treatment needed:

Immediately seek medical advice or attention if symptoms are significant or persist.

5. Fire-Fighting Measures

Flammability of the Product: Non-flammable and non-combustible

Suitable extinguishing agents: Treat for surrounding material

Special hazards arising from the substance or mixture: None

Products of Combustion: None

Explosion Hazards in Presence of Various Substances: Non-explosive in presence of shocks

6. Accidental Release Measures

Precautions if Material is Spilled or Released

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Methods and materials for containment and cleaning - up

Methods for Containment: Pick up large pieces, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up:

Vacuum or sweep material and place in a disposal container.

7. Handling and Storage

Storage:

Keep out of the reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. Use corrosion-resistant structural materials and lighting and ventilation systems in the storage area. (See section 10)

Handling

Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking. (See section 8)

8. Exposure Controls/personal Protection

Eye Protection

Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

Skin Protection

Hand Protection: Wear suitable gloves.

Body Protection: Wear suitable protective clothing.

Respiratory Protection (Specific Type)

A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

Ventilation Recommended

Use exhaust ventilation

Other Protection - No food consumption in area of concentrations of dust or vapor.

9. Physical and Chemical Properties

Appearance: Fully cured and hydrated concrete.

Physical State: Solid.

Color: Varies

Upper Flammability/Explosive Limit: Not available.

Lower Flammability/Explosive Limit: Not available.

Odor: Odorless.

Vapor Pressure: Not available.

Odor Threshold: Not available.

Vapor Density: Not available.

pH: Not available.

Relative Density/Specific Gravity: Not available.

Melting Point/Freezing Point: Not available.

Solubility: Insoluble.

Initial Boiling Point and Boiling Range: Not available.

Flash Point: Not available.

Evaporation Rate: Not available.

Flammability: Not flammable.

Partition coefficient: n-octanol/water: Not available.

Auto-ignition Temperature: Not available.

Decomposition Temperature: Not available.

Viscosity: Not available.

10. Stability and Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under normal storage conditions. Keep in dry storage.

Possibility of hazardous reaction

No dangerous reaction known under conditions of normal use.

Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

Incompatible materials

Contact of silica with powerful oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, or oxygen difluoride may cause fires.

Hazardous Decomposition or By-products

Silica will dissolve in Hydrofluoric Acid and produce a corrosive gas – silicon tetrafluoride.

11. Toxicological Information

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion. Symptoms related to physical/chemical/toxicological characteristics:

Eye: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear pro-

duction, with marked redness and swelling of the conjunctiva. May cause burns in the presence of moisture. Skin: Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

12. Ecological Information

Acute/Chronic Toxicity:

May cause long-term adverse effects to the aquatic environment. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized .

13. Disposal Considerations

The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302). Disposal must be made in accordance with local, state and federal regulations.

14. Transport Information

DOT Shipping Name: Non-Hazardous for Transport

DOT Hazard Class: Not Regulated

UN/NA ID No.: None

UN TDG Class: Not Regulated

Hazard Id No. (HIN): None

IMDG Hazard Class: Not Regulated

IATA Hazard Class: Not Regulated

RID/ADR Code: Not Regulated

Label: None Required

Hazard Symbols: None

15. Regulatory Information

SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

US Federal Regulations:

SARA 302/311/312/313 Components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, 311, 312 or 313.

RCRA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR §261 et seq.

CERCLA: Crystalline silica (quartz) is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR §302.

Emergency Planning and Community Right to Know Act (SARA Title III): Crystalline silica (quartz) is not an extremely hazardous substance under Section 302 and is not a toxic chemical subject to the requirements of Section 313.

FDA: Silica is included in the list of substances that may be included in coatings used in food contact surfaces, 21 CFR §175.300(b)(3)(xxvi).

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NTP: Respirable crystalline silica, primarily quartz dusts occurring in industrial and occupational settings, is classified as Known to be a Human Carcinogen.

OSHA Carcinogen: Crystalline silica (quartz) is not listed.

State Regulations:

DO NOT cut or saw this product, as doing so may release harmful dust into the air.

⚠ WARNING: This product contains Crystalline Silica, a chemical known to the State of California to cause cancer, and Chromium, a chemical known to the State of California to cause reproductive harm. For more information visit www.P65Warnings.ca.gov.

California Inhalation Reference Exposure Level (REL): California established a chronic REL of 3 μg for silica (crystalline, respirable). A chronic REL is an airborne level of a substance at or below which no adverse health effects are anticipated in individuals indefinitely exposed to the substance at that level.

WHMIS (Canadian): D2B Product Classification

16. Other Information

Notes

This form has been prepared to meet current Federal OSHA hazard communication regulations, and is offered without any warranty or guarantee of any type. Western States Wholesale cannot control the use of its products, and therefore specifically disclaims liability and responsibility arising from the use, misuse, and alteration of its products. The information contained in this SDS was produced without independent scientific or medical studies analyzing the effects of silica upon human health. The information contained herein is based upon scientific and other data that Western States Wholesale believes is valid and reliable as previously referenced in this SDS.

The information contained herein relates only to specific materials listed in the document, and does not address the effects of silica when used in combination with other materials or substances, or when used in other processes. Because conditions of use are beyond Western States Wholesale's control, the company makes no representations, guarantees or warranties, either express or implied warranties as to the fitness of the product for use, and assumes no liability related to the information contained above.

Western States Wholesale requires, as a condition of use of its products, that purchasers comply with all applicable Federal, State and local health and safety laws, regulations, orders, requirements, and strictly adhere to all instructions and warnings, which accompany the product.

Disclaimer

The information presented is believed to be accurate but is not warranted to be. Whether originating with the company or not. Recipients are advised to confirm in advance of need, that the information is current, applicable and suitable to their circumstance.