

Safety Data Sheet

Complies with OSHA CFR 1910.1200

Surtreat HydroSet (50 lb pail)

Revision date: 06 July 2023
Version: 1.0

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US/English

1. Identification

Product identifier used on the labels:

Surtreat® Product Name & Stock Number:

Surtreat HydroSet

07502 50lb Pail

Recommended use of the chemical and restriction on use*

Polymer-modified, Portland cement-based, aggregated product for thin repair or resurface of general concrete or masonry construction.

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's 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 the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

SURTREAT SOLUTIONS, INC.
437 GRANT STRET
PITTSBURGH, PA 15219 USA
Telephone: 412.281.1202
info@surtreat.com

Emergency telephone number

Chemtrec (North America): 1-800-424-9300
Available Mon-Fri 08:00AM-05:00PM ET USA

Technical Support Telephone:

+1 724-258-7175

Other means of identification

Chemical family:

No data available

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

2.1 Classification of the product

Carcinogenicity:	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

2.2a Signal Word: DANGER!

2.2b Hazard Statements

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 and repeated inhalation
May cause respiratory irritation

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2.2c Pictograms/Label elements



2.2d Precautionary Statements:

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H350	May cause cancer.
H372	Causes damage to organs (lung) thru prolonged or repeated exposure

Precautionary Statements (Prevention):

P280	Wear protective gloves & clothing & eye/face protection
P271	Use only outdoors or in a well-ventilated area.
P260	Do not breathe dust/gas/mist/vapors.
P202	Do not handle until all safety precautions read and understood.
P270	Do not eat, drink or smoke when using this product.
P264	Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and not difficult to remove. Keep rinsing eye.
P310	Immediately call a POISON CENTER or doctor/physician.
P304 + P340	IF INHALED: Remove person to fresh air & keep comfortable
P303 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash before reuse.

Precautionary Statements (Storage):

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

Precautionary Statements (Disposal):

P50	Dispose of contents/container to hazardous or special waste collection point.
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2.3a Hazards not otherwise classified: Not applicable

2.3b Unknown Acute Toxicity: None

3. Hazardous Ingredients / Identity Information

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

Hazardous Components	CAS No.	% by Weight
Sand, Silica, Quartz	14808-60-7	40-70*

2.2 Hazardous Components:	CAS#	% by Wt
Sand, Silica, Quartz	14808-60-7	30-70
Portland Cement	65997-15-1	10-40*
Lime	01305-62-0	1-5*

*The concentrations ranges are provided due to batch-to-batch variability and proprietary information.

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None of the constituents of this material are of unknown toxicity.

4. First-Aid Measures

4.1 Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

After inhalation of dust, keep patient calm, remove to fresh air. If difficulties occur: obtain medical attention.

If on skin:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11.

Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

5.1 Flammability of product: Non-flammable and non-combustible

5.2 Suitable extinguishing media: foam, water spray, dry powder, carbon dioxide. Treat for surrounding material

5.3 Special hazards arising from the substance or mixture: None

5.3a Products of combustion: None

5.3b Explosion hazards in presence of various substances: Non-explosive in presence of shocks

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid contact with skin and eyes. Wear personal protective clothing (see Section 8). Handle in accordance with good building materials hygiene and safety practice. Keep unprotected persons away from contact.

6.2 Methods and material for containment and cleaning up:

Do not permit to enter sewer or surface or ground water. Pick up with suitable appliance and dispose of in accordance with all regulations. For larger quantities, pack in tightly closed containers for disposal. For residue: Rinse with plenty of water. Avoid raising dust into air.

7. Handling and Storage

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7.1 Precautions for safe handling:

Cement contained in this product reacts alkaline when in contact with water or humidity. Ensure good ventilation and exhaust system at workplace. DO NOT BREATHE DUST. Prolonged direct contact to the dry product should be avoided. Avoid skin contact or eye contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. In dusty environments, use OSHA, MSHA or NIOSH-approved respirator and tight-fitting goggles and appropriate PPE (See Section 8). Prevent dust accumulation through good housekeeping. Do not mix with other chemical products, except as recommended by manufacturer.

7.2 Storage:

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: Keep out of the reach of children. Keep container tightly closed in a dry place and prevent exposure to humidity. Do not permit product to have contact with water until time of use.

8. Exposure Control Measures / Personal Protection

8.1 Components with limit values that require monitoring at the workplace:

<u>Hazardous Component</u>	<u>CAS No.</u>	<u>Information</u>
Silica Sand, crystalline	14808-60-7	OSHA PEL: TWA value 2.4 millions of particles per cubic foot of air. Respirable; The exposure limit is calculated from the equation, $250/(\%SiO_2+5)$, using a value of 100% SiO_2 . Lower percentages of SiO_2 will yield higher exposure limits. TWA value 0.1 mg/m ³ Respirable ; The exposure limit is calculated from the equation, $10/(\%SiO_2+2)$, using a value of 100% SiO_2 . Lower percentages of SiO_2 will yield higher exposure limits. TWA value 0.3 mg/m ³ Total dust ; The exposure limit is calculated from the equation, $30/(\%SiO_2+2)$, using a value of 100% SiO_2 . Lower percentages of SiO_2 will yield higher exposure limits. ACGIH TLV: TWA value 0.025 mg/m ³ Respirable fraction
Cement, Portland	65997-15-1	OSHA PEL: PEL 15 mg/m ³ Total dust; PEL 5 mg/m ³ Respirable fraction ACGIH TLV: TWA value 1 mg/m ³ Respirable fraction ;

8.2 Exposure controls:

Use adequate ventilation to keep exposures below recommended exposure limits

8.3 General protective and hygienic measures:

Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. In order to prevent contamination while handling, wear full body work clothes and work gloves. Handle in accordance with good building materials hygiene and safety practice. After handling product and at end of work, wash hands and/or face, clean skin, and if needed, apply skin-care agents. Gloves must be inspected regularly and prior to each use, and replaced if necessary (e.g. pinhole leaks). Contaminated equipment or clothing should be cleaned after each use or disposed. Keep away from food and drinks. When using, do not eat, drink or smoke.

8.3a Personal protective equipment:

Hand and feet protection:

Use chemical-resistant protective gloves, of nitrile, butyl or pvc material, of adequate length to protect skin from splashes. Protect from skin contact. Wear rubber boots when stepping into concrete. Portland cement may cause dermatitis or sensitization.

Eye protection:

Wear approved eye protection of properly fitted dust-proof/splash-proof chemical safety goggles.

Body protection:

Body protection must be chosen based on level of activity and exposure.

Respiratory protection:

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

9. Physical and Chemical Properties

Form:	Granular powder
Odor:	earthy
Odor threshold:	Not determined
Color:	Gray
pH value:	approx. 13 (approx. 20 °C) as aqueous suspensions
Melting temperature:	not applicable
Boiling temperature:	not applicable
Sublimation point:	no applicable information available.
Flash point:	the substance/product is non-combustible
Flammability:	Not flammable
Lower explosion limit:	Not applicable
Relative density:	2.6 – 3.15 (at 25 degrees C)
Bulk density:	1800 – 2400 kg/m ³
Vapor density:	No applicable information available.
Thermal decomposition:	No decomposition if stored and handled as prescribed & indicated.
Viscosity, dynamic:	No applicable information available
Viscosity, kinematic:	No applicable information available.
Solubility in water:	Insoluble
Miscibility with water:	Insoluble

10. Stability and Reactivity

10.1 Reactivity

No dangerous or hazardous reactions known under conditions of normal use.

10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated. Store in dry location.

10.3 Possibility of hazardous reactions

No dangerous or hazardous reactions known under conditions of normal use.

10.4 Thermal decomposition / Conditions to avoid

No decomposition if used according to specifications. Avoid dust formation. Avoid humidity.

10.5 Incompatible materials

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

10.6 Hazardous decomposition or by-products

No hazardous decomposition products if stored and handled as prescribed/indicated. Silica will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetra-fluoride

11. Toxicological information

11.1 Primary routes of exposure:

Eye contact, skin contact, skin absorption, inhalation or ingestion.

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11.2 Symptoms related to physical/chemical/toxicological characteristics

Inhalation: May cause respiratory tract irritation. Prolonged or repeated exposure may cause damage to organs. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica can cause silicosis.

Skin contact: May cause skin irritation. Contact may cause dry skin, discomfort, irritation, dermatitis or sensitization. Product becomes extremely alkaline when exposed to moisture and may cause alkali burns or affect the mucous membranes.

Eye contact: May cause serious eye damage. Symptoms may include discomfort or pain, excess blinking or tearing with redness and swelling of the conjunctiva.

Ingestion: Harmful if swallowed. Ingestion may cause discomfort, and/or distress, nausea or vomiting.

11.3 Delayed, immediate and chronic effects of short-term and long-term exposure

Short Term:

Skin corrosion/irritation:	May cause severe skin burns
Serious eye damage/irritation:	May cause serious eye damage
Respiratory sensitization:	Data not available
Skin sensitization:	May cause an allergic skin reaction
Specific target organ toxicity -single exposure:	May cause respiratory irritation (Category 3)
Aspiration hazard:	Data not available

Long Term:

Carcinogenicity:	Crystalline silica in this product may cause cancer with chronic inhalation
Germ cell mutagenicity:	Data not available
Reproductive toxicity:	Data not available
Specific target organ toxicity-repeated exposure:	May cause damage to lungs through prolonged/repeated exposure (Category 1)
Synergistical/antagonistic effects:	Data not available

12. Ecological Information

12.1 Ecotoxicity

May cause long-term adverse effects to aquatic environment. Do not permit undiluted product to reach ground water, water course, sewage system or drainage ditch.

12.2 Persistence and degradability

No further relevant information is available

12.3 Bio-accumulative potential:

No further relevant information is available

12.4 Mobility in soil

No further relevant information is available

12.5 Other adverse effects:

No further relevant information is available

13. Disposal considerations

13.1 Waste disposal method:

The packaging and material may be sent to landfill, but the material should be covered to minimize airborne dust. This product is not classified as hazardous waste under RCRA or CERCLA. Dispose of product and packaging in accordance with local, state and federal regulations. Do not discharge into drains, surface or ground water.

13.2 Other disposal considerations:

Packaging, emptied and cleaned, can be recycled in accordance with local, state and federal regulations. Water may be used as cleaning agent for container if needed.

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14. Transport Information

USA DOT & Canada TDG

Land transport	Not regulated
Sea transport	Not regulated
Air transport	Not regulated

14.1 Environmental hazards: Not available

14.2 Transport in bulk according to Annex II of Marpol 73/79 & IBC Code: Not available

14.3 Special precautions for users:

Do not handle until all safety precautions have been read and understood.

15. Other Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislations specific for the chemical

Canada

WHMIS Classification: Considered to be a hazardous material under the Hazardous Products Act (HPA), as defined by the Controlled Products Regulations (CPR) and subject to the requirements of Health Canada Workplace Hazardous Material Information (WHMIS). This document complies with WHMIS requirements of the HPA and CPR.

15.2 US Federal information:

SARA302/311/312/313 components: No chemicals in this product are subject to the reporting requirements

RCRA: Crystalline silica quartz is not classified as a hazardous waste

CERCLA: Crystalline silica quartz is not classified as a hazardous waste

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 the food contact surfaces, 21 CFR 175.300(b)(3)(xxvi).

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

OSHA Carcinogen: Crystalline silica quartz is not listed.

15.3 State Right to Know Laws:

California Prop. 65 Components:



Warning: This product can expose user to crystalline silica, which is known to the state of California to cause cancer and to Portland cement which is known to the state of California to cause birth defects or other Reproductive harm. For more information, go to www.P65Warning.ca.gov

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

Massachusetts Toxic Use Reduction Act: Silica, crystalline (respirable size <10 microns) is "toxic" per this act.

15.4 Global Inventories:

DSL: All components of this product are on the Canadian DSL list.

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TSCA No.: Crystalline silica (quartz) is on the EPA TSCA inventory under CAS Number 14808-60-7. All ingredients are listed on the TSCA inventory.

16. Other Information

Indicates information that has changed from previously issued version.

Date of previous issue: July 2023

Organization that prepared the SDS: SURTREAT SOLUTIONS, Inc.

Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by Wall Firma, Inc., and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products. **We accept no responsibility and disclaim all liability for any harmful effects which may have been caused by exposure to silica contained in our products.***

END OF SAFETY DATA SHEET