

# Safety Data Sheet

Complies with OSHA CFR 1910.1200

## Surtreat HydroGuard, Gray (in 50lb pail)

Revision date: 2023/07/06  
Version: 1.0

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### 1. Identification

**Product identifier used on the labels:**

**Surtreat Product Name & Stock Number:**

**Surtreat HydroGuard, Gray (50 lb pail)**

**Recommended use of the chemical and restriction on use**

Recommended use\*: Seal and beautify masonry/concrete

\* 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

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### 2. Hazards Identification

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

**Classification of the product**

Skin Corrosion/Irritation	2	Skin corrosion/irritation
Eye Damage/Irritation	1	Serious eye damage/eye irritation
Carcinogenicity:	1A	Carcinogen
STOT SE	3 (irritating to respiratory)	Specific target organ toxicity — single exposure
STOT RE	1	Specific target organ toxicity — repeated exposure

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### Label elements

Pictogram:



Signal Word: Danger

### 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/protective clothing/eye protection/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 for  
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.

### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## 3. Composition / Information on Ingredients

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

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
14808-60-7	>= 20.0 - < 50.0 %	Crystalline Silica
65997-15-1	>= 25.0 - < 50.0 %	Cement, Portland, chemicals
1305-62-0	>= 1.0 - < 3.0 %	Calcium Hydroxide
1309-37-1	>= 1.0 - < 3.0 %	Iron Oxide
1305-78-8	>= 1.0 - < 3.0 %	Calcium Oxide
1309-48-4	>= 1.0 - < 3.0 %	Magnesium Oxide
Proprietary	>= 1.0 - < 3.0 %	Non-Hazardous

## 4. First-Aid Measures

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### 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.

### 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.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons: water jet

#### Additional information:

Product itself is non-combustible. Only the packaging materials can catch fire. The extinguishing agents normally used are sufficient.

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
carbon monoxide, carbon dioxide, harmful vapors  
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire. Product is not combustible or explosive.

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Wear self-contained breathing apparatus and chemical-protective clothing.

### Further information:

Product itself is non-combustible; consider fire-extinguishing method of surrounding areas. The degree of risk is governed by the burning substance and the fire conditions. Dispose of fire debris and contaminated extinguishing water in

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accordance with official regulations.

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### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid contact with skin and eyes. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

#### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

#### Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of. Pack in tightly closed containers for disposal.

For residues: Rinse with plenty of water. Avoid raising dust.

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### 7. Handling and Storage

#### Precautions for safe handling

Avoid dust formation. Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irritation of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction. Prolonged direct contact to the dry product should be avoided therefore. Avoid inhalation of dusts. Avoid skin contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion: No special precautions necessary.

#### Conditions for safe storage, including any incompatibilities

Segregate from metals. Segregate from acids. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

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### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

Calcium Hydroxide	OSHA PEL	PEL 5 mg/m <sup>3</sup> Respirable fraction ; PEL 15 mg/m <sup>3</sup> Total dust ; TWA value 5 mg/m <sup>3</sup> ;
	ACGIH TLV	TWA value 5 mg/m <sup>3</sup>
Titanium dioxide	OSHA PEL	PEL 15 mg/m <sup>3</sup> Total dust; TWA value 10 mg/m <sup>3</sup> Total dust ACGIH TLV TWA value 10 mg/m <sup>3</sup>
Crystalline silica	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 <sub>2</sub> . Lower percentages of SiO <sub>2</sub> will yield higher exposure limits. TWA value 0.1 mg/m <sup>3</sup> Respirable ; The exposure limit is calculated from the equation, $10/(\%SiO_2+2)$ , using a value of 100% SiO <sub>2</sub> . Lower percentages of SiO <sub>2</sub> will yield higher exposure limits. TWA value 0.3 mg/m <sup>3</sup> Total dust ; The exposure limit is calculated from the equation, $30/(\%SiO_2+2)$ , using a value of 100% SiO <sub>2</sub> . Lower percentages of SiO <sub>2</sub> will yield higher exposure limits.

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	ACGIH TLV	TWA value 0.025 mg/m <sup>3</sup> Respirable fraction ;
Cement, Portland	OSHA PEL	PEL15 mg/m <sup>3</sup> Total dust; PEL 5 mg/m <sup>3</sup> Respirable fraction
	ACGIH TLV	TWA value 1 mg/m <sup>3</sup> Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.

### Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

### Personal protective equipment

#### Respiratory protection:

Use breathing protection if dusts are formed.

#### Hand protection:

Chemical resistant protective gloves, follow Manufacturer's directions for use should be observed because of great number of type gloves.

#### Eye protection:

Tightly fitting safety goggles (chemical goggles).

#### Body protection:

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

#### General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Contaminated equipment or clothing should be cleaned after each use or disposed of.

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## 9. Physical and Chemical Properties

Form:	powder
Odor:	earthy
Odor threshold:	Not determined
Color:	white
pH value:	approx. 12 (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
Upper explosion limit:	not applicable
Auto-ignition:	No applicable information available.
Vapor pressure:	No applicable information available.
Relative density:	No applicable information available.
Bulk density:	1800 – 2400 kg/m <sup>3</sup>
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:	No applicable information available
Miscibility with water:	No applicable information available
Solubility (quantitative):	Not applicable
Solubility (qualitative):	Not applicable

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### 10. Stability and Reactivity

#### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated. Strong bases are formed on the addition of water.

#### Conditions to avoid

Avoid dust formation. Avoid humidity.

#### Incompatible materials

strong bases, strong acids

#### Hazardous decomposition products

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Acute toxicity

Assessment of acute toxicity: The product has not been tested. The statement is derived from properties of individual ingredients. Product may present a nuisance dust hazard. Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties.

Oral No applicable information available.

Inhalation No applicable information available

Dermal No applicable information available

##### Assessment other acute effects

Assessment of STOT single: Causes temporary irritation of respiratory tract.

##### Irritation / corrosion

Assessment of irritating effects: Skin contact causes irritation. May cause severe damage to the eyes. The product has not been tested. The statement has been derived from the properties of the individual components.

##### Skin Sensitization:

Result: can be irritant.

##### Eye

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Result: Risk of damage to eyes.

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### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity: This product contains crystalline silica (quartz). Prolonged or repeated inhalation of respirable crystalline silica may result in silicosis.

#### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity: This product contains crystalline silica (quartz).

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity: This product has not been tested. The statement was derived from properties of individual ingredients.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O): Inorganic product which cannot be eliminated from water by biological purification processes. The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation. Experience shows this product to be inert and non-degradable.

Elimination information: not applicable

### Bio-accumulative potential

Assessment bioaccumulation potential: The product will not be readily bioavailable due to its consistency and insolubility in water. Avoid discharge into the environment.

### Mobility in soil

Assessment transport between environmental compartments: The substance will not evaporate into the atmosphere from the water surface. Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

### Additional information

#### Other eco-toxicological advice:

Do not discharge product into the environment. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## 13. Disposal considerations

### Waste disposal of substance:

Dispose of in accordance with local authority regulations. Do not discharge into drains, surface or ground water.

### Container disposal:

Completely emptied packaging can be given for recycling.

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### 14. Transport Information

#### Land transport

USDOT

Not classified as a dangerous good under transport regulations

#### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

#### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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### 15. Regulatory Information

#### US Federal Regulations

##### Registration status:

Chemical TSCA, US released / listed Registration

**EPCRA 311/312 (Hazard categories):** Acute; Chronic

#### State regulations

##### CA Prop. 65:

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

##### NFPA Hazard codes:

Health: 3 Fire: 0 Reactivity: 0 Special:

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### 16. Other Information

Indicates information that has changed from previously issued version.

**Date of previous issue:** 7/06/2023.

**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.*

**END OF SAFETY DATA SHEET**