

# Safety Data Sheet

Complies with OSHA CFR 1910.1200

## Surtreat HydroGuard Bonding Additive

Version Number: REV 2.0 EU/English

Compilation Date: 2023 July 06

### SECTION 1: IDENTIFICATION

#### 1.1 Product Identifier

Surtreat HydroGuard Bonding Additive

05370

1 gallon jug

**1.2 Relevant identified use of mixture:** Additive to cementitious or plaster mixes for better adhesion for repair, re-surface or coating concrete, masonry, stone, stucco or brick.

#### 1.3 Details of the supplier of safety data sheet:

SURTREAT SOLUTIONS, INC.

437 GRANT STRET  
PITTSBURGH, PA 15219 USA  
Telephone: 412.281.1202  
[info@surtreat.com](mailto:info@surtreat.com)

**Emergency Telephone Number:**

**Chemtrec (North America):** 1-800-424-9300

Available only Mon-Fri 08:00AM-05:00PM Eastern Time USA

### SECTION 2: HAZARD(S) IDENTIFICATION

#### 2.1 Classification of the mixture:

Classification according to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

No need for classification according to GHS criteria for this product.

#### 2.2 Label Element:

Labeling according to OSHA "Hazard Communication Standard" (29 CFR 1900.1200)

H-Code	Hazard Statements
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.



Pictogram(s):

Signal Word: Warning

P-Code	Precautionary Statements
P280	Wear protective gloves/protective clothing/eye protection.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container to waste disposal.

Hazard ingredients (labelling):

Chloro-methyl-isothiazolin-one and methyl-isothiazolin-one (3:1 mix)

#### 2.1 Other hazards

No data available

### SECTION 3: COMPOSITION and INFORMATION ON INGREDIENTS

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### 3.1 Substances

not applicable

### 3.2 Mixtures

#### 3.2.1 Chemical characteristics

Copolymer of: vinyl acetate + ethylene (dispersion in water)

#### 3.2.2 Hazardous ingredients

Type	CAS No.	Substance	Content %
INHA	55965-84-9	Chloro-methyl-isothiazolin-one and methyl-isothiazolin-one (3:1 mix)	<0.01
INHA	13590-97-1	Dodecylguanidine hydrochloride	<0.02

Type: INHA: ingredient, VERU: impurity

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above  $\geq 0.1\%$ .

This material does not contain any ingredients above the permitted limit(s): Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens/ Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inexorably bound in the product. Specific chemical identities and/or exact percentage (concentration) of the composition may have been withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES

### 4.1 General information:

Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

### 4.2 After inhalation

If inhaled as aerosol, remove to fresh air. No special treatment required.

### 4.3 After contact with the skin

If contact with skin, immediately flush skin with plenty of water for at least 15 min. Wash with soap and water.

### 4.4 After contact with the eyes

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

### 4.5 After swallowing

For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Flammable properties:

Property:	Value:
Flash point	not applicable
Boiling point/ boiling range	approx. 100 °C (212 °F) at 1013 hPa
Lower explosion limit (LEL)	not applicable
Ignition temperature	not applicable

### 5.2 Fire and explosion hazards:

Dried up material is combustible. This material does not present any unusual fire or explosion hazards.

### 5.3 Recommended extinguishing media:

Use extinguishing measures appropriate to the source of fire. Water may be used to cool tanks and structures adjacent

### 5.4 Unsuitable extinguishing media:

not applicable

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### 5.5 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

not applicable .

### 5.6 Fire fighting procedures:

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Precautions:

Wear personal protection equipment (see section 8). If material is released indicate risk of slipping.

**HAZWOPER PPE Level:** C

### 6.2 Containment:

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth).

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll-free phone number (800) 424-8802.

### 6.3 Methods for cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.

## SECTION 7: HANDLING and STORAGE

### 7.1 General information:

Avoid exposure by technical measures or personal protective equipment.

### 7.2 Handling

#### Precautions for safe handling:

Spilled substance increases risk of slipping.

#### Precautions against fire and explosion:

No special precautions against fire and explosion required.

### 7.3 Storage

#### Conditions for storage rooms and vessels:

Protect against frost.

#### Advice for storage of incompatible materials:

not applicable

#### Further information for storage:

not applicable

**Minimum temperature allowed during storage and transportation:** 0 °C (32 °F)

## SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

### 8.1 Engineering controls

#### Ventilation:

Use with adequate ventilation.

#### Local exhaust:

not necessary

### 8.2 Associate substances with specific control parameters such as limit values

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none known

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### 8.3 Personal protection equipment (PPE)

**Respiratory protection:**

not necessary

**Hand protection:**

rubber gloves

**Eye protection:**

chemical safety goggles

**Other protective clothing or equipment:**

protective clothing to cover exposed areas of arms, legs and torso

**General hygiene and protection measures:**

Avoid contact with eyes, skin and clothing. Do not eat or drink when handling. Wash thoroughly after handling.

## SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

### 9.1 Appearance

Physical state/form

liquid/color- white

Odor

weak

### 9.2 Safety parameters

**Property:**

Melting point/ melting range

**Value:**

approximately 0 °C (32 °F)

Boiling point/ boiling range

100 °C (212 °F) at 1013 hPa

Flash point

not applicable

Ignition temperature

not applicable

Lower explosion limit (LEL)

not applicable

Vapor pressure

23 hPa / 20 °C (68 °F)

Density

1.05 g/cm<sup>3</sup>

Water solubility/miscibility

moderately soluble

pH Value

4.0 – 5.0 range

Viscosity (dynamic)

1800 - 2700 mPa (Brookfield Method)

### 9.3 Further information

Odor limit

no data available

voe

2.95 g/L

## SECTION 10: STABILITY and REACTIVITY

### 10.1 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

### 10.2 Conditions to avoid

none known.

### 10.3 Materials to avoid

none known.

### 10.4 Hazardous decomposition products

If stored and handled properly, none known. At increased temperature: acetic acid.

### 10.5 Further information:

Hazardous polymerization cannot occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicological effects

#### 11.1.1 Acute toxicity

**Assessment:**

Based on the available data acute toxic effects are not expected after single oral exposure.

**Product details:**

Route of exposure	Result/Effect	Species/Test system	Source
oral	LD50: > 2000 mg/kg	rat	Conclusion by analogy OECD 423

#### 11.1.2 Skin corrosion/irritation

**Assessment:**

Based on the available data a clinically relevant skin irritation hazard is not expected.

**Product details:**

Result/Effect	Species/Test system	Source
not irritating	rabbit	Conclusion by analogy OECD 404

#### 11.1.3 Serious eye damage/eye irritation

**Assessment:**

Based on the available data a clinically relevant eye irritation hazard is not expected.

**Product details:**

Result/Effect	Species/Test system	Source
not irritating	rabbit	Conclusion by analogy OECD 405

#### 11.1.4 Respiratory or skin sensitivity Assessment:

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.5 Germ cell mutagenicity

**Assessment:**

Based on known data a significant mutagenic potential may be excluded.

**Product details:**

Result/Effect	Species/Test system	Source
negative	mutation assay (in vitro) bacterial cells	Conclusion by analogy OECD 471

#### 11.1.6 Carcinogenicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.7 Reproductive toxicity Assessment:

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.8 Specific target organ toxicity (single exposure)

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.9 Specific target organ toxicity (repeated exposure)

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### Assessment:

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.10 Aspiration hazard Assessment:

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

#### 11.1.11 Further toxicological information

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Other information: Contains < 0.1% of a substance for which studies indicate a low sensitization threshold in humans.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Assessment:

No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

#### Product Detail

Result/Effect	Species/ Test system	Source
LC50: > 100 mg/l	rainbow trout (Oncorhynchus mykiss) (96 h)	Conclusion by analogy OECD 203
EC50: > 1000 mg/l	Daphnia magna (48 h)	Conclusion by analogy OECD 202
EC10: > 1000 mg/l	sludge (0.5 h)	Conclusion by analogy

### 12.1 Persistence and degradability

#### Assessment:

Polymer component: Not readily biodegradable. Elimination by adsorption to activated sludge. Separation by flocculation is possible.

### 12.2 Bio-accumulative potential Assessment:

No adverse effects expected.

### 12.3 Mobility in soil

#### Assessment:

No adverse effects expected.

### 12.4 Other adverse effects

none known

### 12.5 Additional information

The ecotoxicological results provided were obtained from tests with similar products

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Product disposal

Recommendation: Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

### 13.2 Packaging disposal

Recommendation: Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

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Recommended cleaning agent: water

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### SECTION 14: TRANSPORTATION INFORMATION

#### 14.1 US DOT & CANADA TDG SURFACE

Valuation Not regulated for transport

Other Information Protect from freezing, when exposed to cold temperatures, approaching 0 °C (32 °F) or below.

#### 14.2 Transport by sea IMDG-Code

Valuation. Not regulated for transport

#### 14.3 Air transport ICAO-TIATA

Valuation. Not regulated for transport

#### 14.5 Environmental hazards

Hazardous to the environment: no

#### 14.6 Special precautions for user

Revevent info in other sections

#### 14.7 Transport in bulk according to Annex II of MARPOL/IBC Code

Bulk transport in tankers not intended

### SECTION 15: REGULATORY INFORMATION

#### 15.1 U.S. Federal regulations

##### TSCA inventory status and TSCA information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

##### TSCA 12(b) Export Notification:

This material does not contain reportable amounts of any TSCA 12(b) listed chemicals.

##### CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

##### SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

##### SARA 311/312 Hazard Class:

This product does not present any SARA 311/312 hazards.

##### SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above are minimum levels.

##### HAPS (Hazardous Air Pollutants):

GAS No.	Chemical	Upper limit wt. %
67-56-1	Methanol	<=0.0079
50-00-0	Formaldehyde	<=0.0139
75-07-0	Acetaldehyde	<=0.0019
123-91-1	1,4-Dioxane	<=0.0001

#### 15.2 U.S. State regulations

##### California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

California Proposition 65 Carcinogens:

50-00-0 Formaldehyde

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75-07-0 Acetaldehyde  
123-91-1 1,4-Dioxane

California Proposition 65 Reproductive Toxins:

67-56-1 Methanol

### Massachusetts Substance List:

This material contains no listed components.

### New Jersey Right-to-Know Hazardous Substance List:

This material contains no listed components.

### Pennsylvania Right-to-Know Hazardous Substance List:

This material contains no listed components.

### 15.3 Details of international registration status

Relevant information about individual substance inventories, where available, is provided below.

South Korea (Republic of Korea)

**ECL** (Existing Chemicals List):

This product is listed in, or complies with the substance inventory.

Japan

**ENCS** (Handbook of Existing and New Chemical Substances):

This

product is listed in, or complies with the substance inventory.

Australia

**AICS** (Australian Inventory of Chemical Substances):

This product is listed in, or complies with the substance inventory.

People's Republic of China

**IECSC** (Inventory of Existing Chemical Substances in China):

This product is listed in, or complies with the substance inventory.

Canada

**DSL** (Domestic Substance List):

This product is listed in, or complies with the substance inventory.

Philippines

**PICCS** (Philippine Inventory of Chemicals and Chemical Substances):

This product is not listed or in compliance with the substance inventory.

United States of America (USA)

**TSCA** (Toxic Substance Control Act Chemical Substance Inventory):

All components of this product are listed as active or are in compliance with the substance inventory.

Taiwan (Republic of China)

**TCSI** (Taiwan Chemical Substance Inventory):

This product is not listed or in compliance with the substance inventory.

European Economic Area (EEA)

**REACH** (Regulation (EC) No 1907/2006):

General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.

## SECTION 16: OTHER INFORMATION, including date of preparation or last revision

### 16.1 Additional information:

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe on valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Vertical lines in the left-hand margin indicate changes compared with the previous version.

### 16.2 Glossary of Terms:

ACGIH - American Conference of Governmental  
Industrial Hygienists

ppm-Parts per Million

SARA - Superfund Amendments & Reauthorization Act



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DOT - Department of Transportation

STEL - Short Term Exposure Limit

hPa – Hectopascals

TSCA - Toxic Substances Control Act

mPa\*s - Milli Pascal-Seconds

TWA - Time Weighted Average

OSHA - Occupational Safety and Health Administration

WHMIS - Canadian Workplace Hazardous Materials Identification System

PEL - Permissible Exposure Limit

### Flash point determination methods

### Common name

STM D56

Tagliabue (Tag) closed cup

ASTM D92, DIN 51376, ISO 2592

Cleveland open cup

ASTM D93, DIN 51758, ISO 2719

Pensky-Martens closed cup

ASTM D3278, DIN 55680, ISO 3679

Setaflash or Rapid closed cup

DIN 51755

Abel-Pensky closed cup

### 16.3 Conversion table:

Pressure

1 hPa \* 0.75 = 1 mm Hg= 1 torr; 1 bar= 1000 hPa

Viscosity

1 mPa\*s = 1 centipoise (cP)

### 16.4 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 DATA SHEET**