

SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [SureStain](#)
Product Description: Low Residue Reactive Acid Stain
Intended Use: Decorative coloring cement-based products

Company

Manufacturer: SureCrete Design Products, Inc.
15246 Citrus Country Drive
Dade City, FL 33523
USA

Contact: 1-352-567-7973 (telephone general)
1-800-262-8200 Chemtrec
+1 703-741-5500 Chemtrec International
info@surecretedesign.com (e-mail)
1-352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

| | | |
|---|------------|------|
| Corrosion / Causes severe skin burns and eye damage | Category 1 | H314 |
| May cause damage to organs | Category 2 | H371 |
| Irritant / Harmful if swallowed | Category 4 | H302 |
| Causes serious eye irritation | Category 2 | H319 |
| May cause cancer. May contain hexavalent Chromium | Category 1 | H350 |

GHS Label Elements: The product does not require a hazard warning label in accordance with GHS criteria.

Hazard Symbol:



Signal Word: Danger

Label Hazard Statements:

H350: May cause cancer.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.

Label Precautionary Statements:

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/spray.

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301 + 330 + 331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + 361 + 353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + 340: 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 + 313: IF exposed: Call a POISON CENTER or doctor/physician.

P501: Dispose of contents and container in accordance with local regulations.

Hazard Ratings

| | <i>health</i> | <i>flammability</i> | <i>reactivity</i> |
|-------------|---------------|---------------------|-------------------|
| NFPA | 3 | 1* | 3 |

* Material is nonflammable, however, reactions may liberate flammable hydrogen gas.

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

| Ingredient | CAS # | EC# |
|--|--------------|------------|
| Hazardous | | |
| Hydrochloric Acid | 7647-01-0 | NE |
| May contain one or more of the following metal ions: | | |
| Cu ⁺² metallic ion | 7758-99-0 | NE |
| Fe ⁺³ metallic ion | 7758-95-3 | NE |
| Fe ⁺² metallic ion | 7705-08-0 | NE |
| Cr ⁺³ metallic ion | 10588-01-9 | NE |
| CrO ₄ ⁺² metallic ion | 10025-73-7 | NE |
| Chromium compounds | 7440-47-3 | NE |

The exact percentage of composition has been withheld as a trade secret.

SECTION 4 First Aid Measures

General information: Immediately remove contaminated clothing.

Inhalation: If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

Skin Contact: Wash contact areas with soap and water.

Eye Contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Remove contact lenses if present. Consult an eye specialist immediately.

Ingestion: DO NOT INDUCE VOMITING. Immediately call a doctor. Never give anything by mouth to an unconscious person. Drink copious amounts of water and provide fresh air.



SECTION 5 Fire Fighting Measures

Appropriate Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special Hazards Arising from the Substance or Mixture: No further relevant information available.

Protective equipment: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not Available.

Flash Points: Not Applicable.

Products of Combustion: Not Applicable.

Fire Hazards in Presence of Various Substances: Non-flammable. Non-Flammable in presence of shocks. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas.

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

Special Remarks on Fire Hazards: None.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear protective equipment (See section 8). Keep unprotected persons away.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, and universal binders.) Use neutralizing agent. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7 Handling and Storage

Precautions for Safe Handling: Ensure good ventilation/exhaustion at the workplace. Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas. Use, store and transfer only with acid resistant plastic containers, DO NOT USE aluminum or any other metal container. No special measures required for protection against explosions and fires.

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 receptacle tightly sealed. Specific end use(s): No further relevant information available.

SECTION 8 Exposure Control / Personal Protection

Engineering Measures: Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

Exposure limit values:

| Component | Value / Source | | |
|-------------------------------------|----------------|-------------------------------|-------|
| Hydrochloric Acid CAS 7647-011-1 | PEL | 7 mg/m ³ (ceiling) | 5 ppm |
| Hydrochloric Acid CAS 7647-011-1 | TLV | 3 mg/m ³ | 2 ppm |

Additional information: The lists that were valid during the creation were used as basis.

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Personal Protection:

Hand protection: Protective Gloves. Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl and PVC gloves have been found to offer adequate protection for incidental contact.

Eye protection: Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Skin protection: Standard work clothes and non-absorptive boots.

SECTION 9 Physical and Chemical Properties

Appearance: Vari-colored liquid

Physical state: Liquid

Odor: Pungent acidic

pH: 1 - 2.

Freezing point: 32°F (0°C)

Initial boiling point and boiling range: 212°F (100 °C)

Flash point: None, non-flammable

Vapor pressure: 170mm/Hg @ 70°F (21°C)

Solubility (water): soluble

Density: 1.12 – 1.3 g/cm³

VOC content: 0

SECTION 10 Stability and Reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Incompatible materials: Bases, amines, alkali metals, metals - especially aluminum, permanganates, Fluorine, metal acetylides, hexalithium disilicide, and bleach.



Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11 Toxicological Information

Acute toxicity

Primary irritant effect:

On the skin: May be harmful if absorbed through skin. Causes skin burns.

On the eye: Causes eye burns.

Sensitization: No sensitizing effects known.

SECTION 12 Ecological Information

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bio accumulative potential: No further relevant information available.

General notes: 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 unneutralized.

SECTION 13 Disposal Considerations

Waste treatment methods: Must not be disposed of together with household garbage. Do not allow product to reach waterways or storm sewers. Disposal must be made in accordance with local, state and federal regulations.

Uncleaned packaging: Disposal must be made in accordance with local, state and federal regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

Section 14 Transport Information

UN number: UN1760

UN proper shipping name: Hydrochloric Acid

DOT

ORM-D, 173.154 EXEMPTIONS FOR CLASS 8 (Corrosive Materials) (Based on inner packaging or >5L.)

IATA

UN number: UN1760

UN proper shipping name: Corrosive Liquids N.O.S.

Class: 8 Corrosive substances

Hazard Label: Corrosive

Packing group: III

Description: UN1760, Corrosive Liquid, N.O.S. 8, PGIII. (Hydrochloric Acid)



TDG

UN number: UN1760

UN proper shipping name: Corrosive Liquids N.O.S.

Class: 8 Corrosive substances

Hazard Label: Corrosive

Packing group: III

Description: UN1760, Corrosive Liquid, N.O.S. 8, PGIII. (Hydrochloric Acid)

ICAO

UN number: UN1760

UN proper shipping name: Corrosive Liquids N.O.S.

Class: 8 Corrosive substances

Hazard Label: Corrosive

Packing group: III

Description: UN1760, Corrosive Liquid, N.O.S. 8, PGIII. (Hydrochloric Acid)

Additional Transportation Information

ORM-D Ground Transportation Only

Environmental hazards: No

Marine pollutant: Warning: Corrosive substances

Danger code (Kemier): F-A, S-B

EMS Number: 80

Segregation groups: Acids

SECTION 15 Regulatory Information

US federal regulations: All components are on the U.S. EPA TSCA Inventory List.

OSHA Hazards: Corrosive

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 (TRI reporting):

Hydrochloric acid (CAS 7647-01-0) listed

Chromium compounds (CAS 7440-47-3)

US state regulations:

US. Massachusetts RTK - Substance List:

Hydrochloric acid (CAS 7647-01-0)

Chromium compounds (CAS 7440-47-3)

US. New Jersey Worker and Community Right-to-Know Act:

Hydrochloric acid (CAS 7647-01-0)

Chromium compounds (CAS 7440-47-3)

Water (CAS 7732-18-5)

US. Pennsylvania Worker and Community Right-to-Know Law:

Hydrochloric acid (CAS 7647-01-0)

Chromium compounds (CAS 7440-47-3)

Water (CAS 7732-18-5)



US. California Proposition 65: WARNING: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm. Some colors contain Chromium (VI).

International regulations:

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

SECTION 16 Other Information

Recommended restriction: for use by trained professionals, having read the complete SDS

To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.