



SAFETY DATA SHEET

1. Identification

Material name: SAMPLE - STAIN CRETE - 8 OZ RUST BROWN
Material: CSCS O008 675

Recommended use and restriction on use

Recommended use: Additive
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

EUCLID CHEMICAL COMPANY
19218 REDWOOD ROAD
CLEVELAND OH 44110
US

Contact person: EH&S Department
Telephone: 216-531-9222
Emergency telephone number: 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

| | |
|---|-------------|
| Acute toxicity (Oral) | Category 3 |
| Acute toxicity (Dermal) | Category 4 |
| Acute toxicity (Inhalation - dust and mist) | Category 2 |
| Skin Corrosion/Irritation | Category 1A |
| Serious Eye Damage/Eye Irritation | Category 1 |
| Respiratory sensitizer | Category 1 |
| Skin sensitizer | Category 1 |
| Germ Cell Mutagenicity | Category 1B |
| Carcinogenicity | Category 1A |
| Toxic to reproduction | Category 1B |

Unknown toxicity - Health

| | |
|--|---------|
| Acute toxicity, oral | 72.84 % |
| Acute toxicity, dermal | 72.85 % |
| Acute toxicity, inhalation, vapor | 100 % |
| Acute toxicity, inhalation, dust or mist | 79.53 % |

Environmental Hazards

| | |
|--|------------|
| Acute hazards to the aquatic environment | Category 3 |
|--|------------|

Unknown toxicity - Environment

| | |
|--|---------|
| Acute hazards to the aquatic environment | 84.38 % |
| Chronic hazards to the aquatic environment | 100 % |

**3. Composition/information on ingredients****Mixtures**

| Chemical Identity | CAS number | Content in percent (%)* |
|------------------------------|------------|-------------------------|
| Chromic acid , disodium salt | 10588-01-9 | 10 - 30% |
| Ferrous Chloride | 7758-94-3 | 7 - 13% |
| Hydrogen chloride | 7647-01-0 | 5 - 10% |
| Ferric Chloride | 7705-08-0 | 0.1 - 1% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

- Ingestion:** Rinse mouth. Call a physician or poison control center immediately. Never give liquid to an unconscious person. Do not induce vomiting without advice from poison control center.
- Inhalation:** Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. Move to fresh air. If breathing is difficult, give oxygen.
- Skin Contact:** Call a physician or poison control center immediately. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.
- Eye contact:** Remove contact lenses, if present and easy to do. Continue rinsing. Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.

Most important symptoms/effects, acute and delayed

- Symptoms:** Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. Extreme irritation of eyes and mucous membranes, including burning and tearing.

Indication of immediate medical attention and special treatment needed

- Treatment:** Symptoms may be delayed.

5. Fire-fighting measures

- General Fire Hazards:** No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.
- Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.



| | | | |
|-----------------------------|--------------|-----------------|---|
| | OSHA_A CT | 0.0025 mg/m3 | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001- 1050) (02 2006) |
| | Ceiling | 0.1 mg/m3 | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006) |
| Ferrous Chloride - as Fe | TWA | 1 mg/m3 | US. ACGIH Threshold Limit Values (2011) |
| Hydrogen chloride | Ceiling | 2 ppm | US. ACGIH Threshold Limit Values (2011) |
| | Ceiling | 5 ppm 7 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| Ferric Chloride - as Fe | TWA | 1 mg/m3 | US. ACGIH Threshold Limit Values (2011) |

| Chemical name | type | Exposure Limit Values | Source |
|---|---------|-----------------------|---|
| Chromic acid , disodium salt - as Cr | TWA | 0.025 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| | CEILING | 0.1 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Chromic acid , disodium salt - as Cr | TWAEV | 0.05 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010) |
| Chromic acid , disodium salt - as Cr | TWA | 0.05 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008) |
| Ferrous Chloride - as Fe | TWA | 1 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| | STEL | 2 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |



appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

Hygiene measures: Avoid contact with skin. Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product. Wash hands after handling. Wash hands before breaks and immediately after handling the product. Do not get in eyes. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash contaminated clothing before reuse. Do not get this material in contact with skin. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

| | |
|---|--------------------|
| Physical state: | liquid |
| Form: | liquid |
| Color: | Brown |
| Odor: | Mild sour/acidic |
| Odor threshold: | No data available. |
| pH: | < 1 |
| Melting point/freezing point: | No data available. |
| Initial boiling point and boiling range: | No data available. |
| Flash Point: | No data available. |
| Evaporation rate: | Slower than Ether |
| Flammability (solid, gas): | No |

Upper/lower limit on flammability or explosive limits

| | |
|---|---|
| Flammability limit - upper (%): | No data available. |
| Flammability limit - lower (%): | No data available. |
| Explosive limit - upper (%): | No data available. |
| Explosive limit - lower (%): | No data available. |
| Vapor pressure: | No data available. |
| Vapor density: | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| Relative density: | 1.1416 |
| Solubility(ies) | |
| Solubility in water: | Miscible with water. |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |



Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

| | |
|---------------------------------|---|
| Chromic acid , disodium salt | Irritating |
| Ferrous Chloride | in vivo (Rabbit, 24 - 72 hrs): Category 1 |
| Hydrogen chloride | in vivo (Rabbit, 1 hrs): Category 1 |
| Ferric Chloride | Irritating |

Respiratory or Skin Sensitization

Product: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause sensitization by inhalation.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

| | |
|---------------------------------|---|
| Chromic acid , disodium salt | Overall evaluation: Carcinogenic to humans. |
|---------------------------------|---|

US. National Toxicology Program (NTP) Report on Carcinogens:

| | |
|---------------------------------|-------------------------------|
| Chromic acid , disodium salt | Known To Be Human Carcinogen. |
|---------------------------------|-------------------------------|

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

| | |
|---------------------------------|--------|
| Chromic acid , disodium salt | Cancer |
|---------------------------------|--------|

Germ Cell Mutagenicity

In vitro
Product: No data available.

In vivo
Product: No data available.

Reproductive toxicity

Product: May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

**Biodegradation****Product:** No data available.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative Potential****Bioconcentration Factor (BCF)****Product:** No data available.**Specified substance(s):**Ferric Chloride Plaice, sand dab (*Pleuronectes platessa*), Bioconcentration Factor (BCF): 8
(Not reported)**Partition Coefficient n-octanol / water (log Kow)****Product:** No data available.**Mobility in Soil:**

No data available.

Other Adverse Effects:

Harmful to aquatic organisms.

13. Disposal considerations**Disposal instructions:**

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging:

No data available.

14. Transport information**TDG:**

UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric Acid), 8, PG III

CFR / DOT:

UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric Acid), 8, PG III

IMDG:

UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric Acid), 8, PG III

Further Information:The above shipping description may not be accurate for all container sizes and all modes of transportation.
Please refer to Bill of Lading.**15. Regulatory information****US Federal Regulations**

000000013854

11/15



SARA 311/312 Hazardous Chemical

| <u>Chemical Identity</u> | <u>Threshold Planning Quantity</u> |
|------------------------------|------------------------------------|
| Hydrogen chloride | 500lbs |
| Sulfuric acid | 500lbs |
| Chromic acid , disodium salt | 500 lbs |
| Ferrous Chloride | 500 lbs |
| Ferric Chloride | 500 lbs |

SARA 313 (TRI Reporting)

| <u>Chemical Identity</u> |
|------------------------------|
| Chromic acid , disodium salt |
| Hydrogen chloride |

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|--------------------------|----------------------------|
| Hydrogen chloride | 15000 lbs |
| Hydrogen chloride | 5000 lbs |
| Sulfuric acid | 10000 lbs |

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

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

| <u>Chemical Identity</u> |
|------------------------------|
| Chromic acid , disodium salt |
| Ferrous Chloride |
| Hydrogen chloride |

US. Massachusetts RTK - Substance List

| <u>Chemical Identity</u> |
|------------------------------|
| Chromic acid , disodium salt |
| Ferrous Chloride |
| Hydrogen chloride |
| Sulfuric acid |

US. Pennsylvania RTK - Hazardous Substances

| <u>Chemical Identity</u> |
|------------------------------|
| Chromic acid , disodium salt |
| Ferrous Chloride |
| Hydrogen chloride |

US. Rhode Island RTK

| <u>Chemical Identity</u> |
|------------------------------|
| Chromic acid , disodium salt |
| Ferrous Chloride |
| Hydrogen chloride |



EUCLID CHEMICAL

Version: 1.0
Revision Date: 09/29/2015

Version #: 1.0

Further Information: No data available.

Disclaimer: For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.