

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Renaissance Concrete Chemical Stain – Smokey Granite

Manufacturer : Sentury Reagents, Inc.  
2515 Commerce Dr.  
Rock Hill, SC 29730  
USA

Telephone : 803-327-6880

Fax : 803-327-3872

Emergency Phone #: PERS: 800-633-8253 or 801-629-0667

Supplier's account # 10613

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### OSHA Hazards

Harmful by ingestion, Corrosive

#### GHS Classification

Acute toxicity, Oral (Category 4)

Skin irritation (Category 2)

Serious eye damage (Category 1)

#### GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H302

Harmful if swallowed.

H315

Causes skin irritation.

H318

Causes serious eye damage.

Precautionary statement(s)

P280

Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### HMIS Classification

Health hazard: 3

Flammability: 0

Physical hazards: 0

Personal protection: F

### NFPA Rating

Health hazard: 3

Fire: 0

Reactivity Hazard: 0

### Potential Health Effects

#### Inhalation

May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

#### Skin

Harmful if absorbed through skin. Causes skin burns.

#### Eyes

Causes eye burns.

#### Ingestion

Toxic if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : HCl

| CAS-No.                   | EC-No.    | Index-No.    | Concentration |
|---------------------------|-----------|--------------|---------------|
| <b>Hydrochloric acid</b>  |           |              |               |
| 7647-01-0                 | 231-595-7 | 017-002-01-X | 4.0 %         |
| <b>Water</b>              |           |              |               |
| 7732-18-5                 | 231-791-2 | -            | 74.3 %        |
| <b>Manganese chloride</b> |           |              |               |
| 7773-01-5                 | 231-869-6 | -            | 21.7 %        |

### 4. FIRST AID MEASURES

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Hazardous combustion products

Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas

#### Further information

The product itself does not burn.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

#### Environmental precautions

Do not let product enter drains.

#### Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

#### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components        | CAS-No.   | Value | Control parameters | Basis                                   |
|-------------------|-----------|-------|--------------------|---|
| Hydrochloric acid | 7647-01-0 | C     | 2 ppm              | USA. ACGIH Threshold Limit Values (TLV) |

|                      |   |     |                  |  |
|----------------------|---|-----|------------------|--|
| Remarks              | Upper Respiratory Tract irritation Not classifiable as a human carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of a lack of data. In vitro or animal studies do not provide indications of carcinogenicity which are sufficient to classify the agent into one of the other categories. |     |                  |  |
|                      |   | C   | 5 ppm<br>7 mg/m3 | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
|                      | The value in mg/m3 is approximate. Ceiling limit is to be determined from breathing-zone air samples.   |     |                  |  |
|                      |   | C   | 5 ppm<br>7 mg/m3 | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000                    |
|                      |   | C   | 5 ppm<br>7 mg/m3 | USA. NIOSH Recommended Exposure Limits   |
|                      | Often used in an aqueous solution.  |     |                  |  |
| Manganese dichloride | 7773-01-5   | C   | 5 mg/m3          | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
| Remarks              | Ceiling limit is to be determined from breathing-zone air samples.  |     |                  |  |
|                      |   | C   | 5 mg/m3          | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000                    |
|                      |   | TWA | 0.2 mg/m3        | USA. ACGIH Threshold Limit Values (TLV)  |
|                      | Central Nervous System impairment Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) varies  |     |                  |  |
|                      |   | TWA | 1 mg/m3          | USA. NIOSH Recommended Exposure Limits   |
|                      |   | ST  | 3 mg/m3          | USA. NIOSH Recommended Exposure Limits   |

### Personal protective equipment

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin and body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form liquid  
Colour no data available

### Safety data

pH <1  
Melting point/freezing point no data available  
Boiling point no data available  
Flash point not applicable  
Ignition temperature no data available  
Auto ignition temperature no data available  
Lower explosion limit no data available  
Upper explosion limit no data available

|   |                        |
|---|------------------------|
| Vapour pressure                           | no data available      |
| Density                                   | 1.19 g/cm <sup>3</sup> |
| Water solubility                          | no data available      |
| Partition coefficient:<br>n-octanol/water | no data available      |
| Relative vapour<br>density                | no data available      |
| Odour                                     | no data available      |
| Odour Threshold                           | no data available      |
| Evaporation rate                          | no data available      |

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## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

no data available

### Conditions to avoid

no data available

### Materials to avoid

Bases, Amines, Alkali metals, Metals, hexalithium disilicide, permanganates, e.g. potassium permanganate, Fluorine

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas

Other decomposition products - no data available

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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Oral LD50

#### Inhalation LC50

#### Dermal LD50

no data available

#### Other information on acute toxicity

no data available

### Skin corrosion/irritation

no data available

### Serious eye damage/eye irritation

Eyes: no data available

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrochloric acid)

NTP: No component of this product presents at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### Reproductive toxicity

no data available

### Teratogenicity

no data available

### Specific target organ toxicity - single exposure (Globally Harmonized System)

no data available

### Specific target organ toxicity - repeated exposure (Globally Harmonized System)

no data available

### Aspiration hazard

no data available

### Potential health effects

#### Inhalation

May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

#### Ingestion

Harmful if swallowed.

#### Skin

Harmful if absorbed through skin. Causes skin burns.

#### Eyes

Causes eye burns.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects**

no data available

**Additional Information**

RTECS: Not available

**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION**

**DOT (US):** UN3264, Corrosive liquids, acidic, inorganic, n.o.s., (Hydrochloric acid mixture), 8, PGIII

FOR 1 GALLON JUG: ORM-D CONSUMER COMMODITY

**IMDG:** UN3264, Corrosive liquids, acidic, inorganic, n.o.s., (Hydrochloric acid mixture), 8, PGIII

**IATA:** UN3264, Corrosive liquids, acidic, inorganic, n.o.s., (Hydrochloric acid mixture), 8, PGIII

**15. REGULATORY INFORMATION****OSHA Hazards**

Harmful by ingestion, Corrosive

**DSL Status**

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

**SARA 302 Components**

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

**SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:

|                    | CAS No.   | Revision Date |
|--------------------|-----------|---------------|
| Hydrochloric acid  | 7647-01-0 | 1993-04-24    |
| Manganese chloride | 7773-01-5 | 1987-01-01    |

**SARA 311/312 Hazards**

Acute Health Hazard

**Massachusetts Right To Know Components**

|                    | CAS No.   | Revision Date |
|--------------------|-----------|---------------|
| Hydrochloric acid  | 7647-01-0 | 1993-04-24    |
| Water              | 7732-18-5 |               |
| Manganese chloride | 7773-01-5 | 1987-01-01    |

**Pennsylvania Right To Know Components**

|                    | CAS No.   | Revision Date |
|--------------------|-----------|---------------|
| Hydrochloric acid  | 7647-01-0 | 1993-04-24    |
| Water              | 7732-18-5 |               |
| Manganese chloride | 7773-01-5 | 1987-01-01    |

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. OTHER INFORMATION**

**Further information:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sentury Reagents, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.