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## **SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** Concrete Stain Terra Cotta  
**SYNONYMS:**  
**PRODUCT CODES:** CS-15

**MANUFACTURER:** Absolute Concrete Products  
**DIVISION:**  
**ADDRESS:** 144 S. Main St. Union, OR 97883

**EMERGENCY PHONE:** 1-800-535-5053 (24 Hour)  
**INFOTRAC PHONE:** +1-352-323-3500 or 1-800-535-5053  
**OTHER CALLS:** (541) 562-2000

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## **SECTION 2: HAZARDS IDENTIFICATION**

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### **EMERGENCY OVERVIEW:**

#### **Hazard statements**

Harmful if swallowed  
Harmful if inhaled  
Causes severe skin burns and eye damage  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause an allergic skin reaction  
May cause genetic defects  
May cause cancer  
May damage fertility or the unborn child  
Causes damage to organs through prolonged or repeated exposure

#### **Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Do not breathe dust/fume/gas/mist/vapors/spray  
In case of inadequate ventilation wear respiratory protection  
Contaminated work clothing should not be allowed out of the workplace

#### **Precautionary Statements - Storage**

Store in accordance with local regulations

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### **POTENTIAL HEALTH EFFECTS**

**EYES:** Serious eye damage/eye irritation, Category 1

#### **SKIN:**

Skin corrosion/irritation, Category 2  
Causes severe skin burns and eye damage  
May cause an allergic skin reaction

#### **INGESTION:**

Harmful if swallowed

#### **INHALATION:**

Harmful if inhaled

### **ACUTE HEALTH HAZARDS:**

0% of the mixture consists of ingredient(s) of unknown toxicity

### **CHRONIC HEALTH HAZARDS:**

May cause genetic defects  
May cause cancer

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May damage fertility or the unborn child  
Causes damage to organs through prolonged or repeated exposure

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

May cause allergy or asthma symptoms or breathing difficulties if inhaled

### SECTION 3 NOTES:

Harmful to aquatic life with long lasting effects  
Harmful to aquatic life

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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INGREDIENT:	CAS NO.	% WT	Trade Secret
Ferrous Chloride	7758-94-3	1-20	*
Hydrochloric acid	7647-01-0	0-20	*
Ferric Chloride	7705-08-0	0-25	*

### SECTION 2 NOTES:

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

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## SECTION 4: FIRST AID MEASURES

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### EYES:

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician

### SKIN:

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
**If skin irritation or rash occurs:** Get medical advice/attention

### INGESTION:

**IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician  
**IF SWALLOWED:** Rinse mouth. DO NOT induce vomiting  
If swallowed, call a poison control center or physician immediately.

### INHALATION:

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician  
If fumes from reactions are inhaled, move to fresh air immediately. Call a physician or poison control center immediately.

### NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

Treat symptomatically.

### SECTION 4 NOTES:

IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician

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## SECTION 5: FIRE-FIGHTING MEASURES

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### EXTINGUISHING MEDIA:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Caution: Use of water spray when fighting fire may be inefficient.

### SPECIAL FIRE FIGHTING PROCEDURES:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Hydrogen chloride

### SECTION 5 NOTES:

Contact with metals may evolve flammable hydrogen gas. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Runoff may pollute waterways.

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**ACCIDENTAL RELEASE MEASURES:**

Keep people away from and upwind of spill/leak. Ventilate affected area. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if you can do it without risk. Avoid contact with skin, eyes and inhalation of vapors.

Suppress gases/vapors/mists with water spray jet.

**CONTAINMENT:**

Dike far ahead of liquid spill for later disposal. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**CLEAN-UP:**

Pick up and transfer to properly labeled containers.

**SECONDARY HAZARDS:**

Clean contaminated objects and areas thoroughly observing environmental regulations.

**SECTION 6 NOTES:**

Prevent entry into waterways, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so. See Section 12 for additional ecological information.

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## **SECTION 7: HANDLING AND STORAGE**

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**HANDLING AND STORAGE:**

Keep containers tightly closed in a dry, cool and well-ventilated place.

Store in accordance with local regulations

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Avoid breathing vapors or mists. Wash thoroughly after handling.

**SECTION 7 NOTES:**

Dispose of contents/container to an approved waste disposal plant.

Strong oxidizing agents. Metals. Alkali.

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## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:**

Ensure adequate ventilation, especially in confined areas. Showers

Eyewash stations

Ventilation systems

**RESPIRATORY PROTECTION:**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**EYE PROTECTION:**

Tight sealing safety goggles. Face protection shield.

**SKIN PROTECTION:**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

**WORK HYGIENIC PRACTICES:**

Wash face, hands and any exposed skin thoroughly after handling. Use personal protective equipment as required. Avoid prolonged or repeated contact with skin. Avoid breathing (dust, vapor, mist, gas). Wash contaminated clothing before reuse.

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## EXPOSURE GUIDELINES:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ferrous Chloride 7758-94-3	TWA: 1 mg/m <sup>3</sup> Fe	(vacated) TWA: 1 mg/m <sup>3</sup> Fe	TWA: 1 mg/m <sup>3</sup> Fe
Hydrochloric acid 7647-01-0	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m <sup>3</sup> Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>
Ferric Chloride 7705-08-0	TWA: 1 mg/m <sup>3</sup> Fe	(vacated) TWA: 1 mg/m <sup>3</sup> Fe	TWA: 1 mg/m <sup>3</sup> Fe

NIOSH IDLH Immediately Dangerous to Life or Health

## SECTION 8 NOTES:

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Do not breathe dust/fume/gas/mist/vapors/spray  
In case of inadequate ventilation wear respiratory protection  
Contaminated work clothing should not be allowed out of the workplace  
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE:

No information available

### ODOR:

Strong Pungent

### PHYSICAL STATE:

Liquid

### COLOR:

Amber

pH AS SUPPLIED: No information available

pH (Other): No information available

### BOILING POINT:

F: No information available

C: No information available

### MELTING POINT:

F: No information available

C: No information available

### FREEZING POINT:

F: No information available

C: No information available

VAPOR PRESSURE (mmHg): No information available

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F: No information available

C: No information available

VAPOR DENSITY (AIR = 1):

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F: No information available

C: No information available

SPECIFIC GRAVITY (H<sub>2</sub>O = 1):

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F: No information available

C:

### EVAPORATION RATE:

No information available

### BASIS (=1):

No information available

### SOLUBILITY IN WATER:

No information available

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PERCENT SOLIDS BY WEIGHT:  
No information available

PERCENT VOLATILE:  
BY WT/ BY VOL @  
F: No information available  
C: No information available

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: No information available  
WITHOUT WATER: No information available

MOLECULAR WEIGHT: No information available  
VISCOSITY: No information available

@  
F: No information available  
C: No information available

## SECTION 10: STABILITY AND REACTIVITY

Reactivity:  
No data available.

CONDITIONS TO AVOID (STABILITY):  
Stable under normal conditions.

INCOMPATIBILITY (MATERIAL TO AVOID):  
Strong oxidizing agents. Metals. Alkali.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:  
Chlorine. Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

HAZARDOUS POLYMERIZATION:  
Hazardous polymerization does not occur.

CONDITIONS TO AVOID :  
Strong oxidizing agents. Storage near to reactive materials. To avoid thermal decomposition, do not overheat.

## SECTION 11: TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION:

#### Routes of Exposure

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ferrous Chloride 7758-94-3	= 450 mg/kg ( Rat )	-	-
Hydrochloric acid 7647-01-0	= 700 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	= 3124 ppm ( Rat ) 1 h
Ferric Chloride 7705-08-0	= 316 mg/kg ( Rat ) = 450 mg/kg ( Rat )	-	-

#### Carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrochloric acid 7647-01-0	-	Group 3	-	-

STOT - repeated exposure: No information available.  
Chronic toxicity: May cause adverse liver effects.  
Target Organ Effects: Eyes, Gastrointestinal tract (GI), liver, Respiratory system, Skin.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 3793 mg/kg  
ATEmix (inhalation-gas) 36326 mg/l  
ATEmix (inhalation-dust/mist) 11.6 mg/l

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ferrous Chloride 7758-94-3	-	4: 96 h Morone saxatilis mg/L LC50 static	-
Hydrochloric acid 7647-01-0	-	282: 96 h Gambusia affinis mg/L LC50 static	-
Ferric Chloride 7705-08-0	-	20.26: 96 h Lepomis macrochirus mg/L LC50 semi-static 75.6: 96 h Gambusia affinis mg/L LC50 static 20.95 - 22.56: 96 h Pimephales promelas mg/L LC50 semi-static	27.9: 48 h Daphnia magna mg/L EC50 9.6: 48 h Daphnia magna mg/L EC50 Static

Chemical Name	Partition coefficient
Ferric Chloride 7705-08-0	-4

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:**

Should not be released into the environment. Disposal should be in accordance with applicable regional, national and local laws and regulations.

**CONTAMINATED PACKAGING**

Do not reuse container.

Chemical Name	California Hazardous Waste Status
Ferric Chloride 7705-08-0	Toxic Corrosive

**SECTION 13 NOTES:**

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:** Corrosive liquid, Acidic Inorganic N.O.S.  
**HAZARD CLASS:** 8  
**ID NUMBER:** UN3264  
**PACKING GROUP:** III  
**LABEL STATEMENT:** No information available

**SECTION 15: REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):**  
 Complies

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ferrous Chloride 7758-94-3	100 lb	-	-	X
Hydrochloric acid 7647-01-0	5000 lb	-	-	X
Ferric Chloride 7705-08-0	1000 lb	-	-	X

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**CWA (CLEAN WATER ACT):**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ferrous Chloride 7758-94-3	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Hydrochloric acid 7647-01-0	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Ferric Chloride 7705-08-0	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

No information available

**311/312 HAZARD CATEGORIES:**

Acute health hazard                    **Yes**  
 Chronic Health Hazard                **No**  
 Fire hazard                                **No**  
 Sudden release of pressure hazard   **No**  
 Reactive Hazard                         **No**

**313 REPORTABLE INGREDIENTS:**

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Hydrochloric acid - 7647-01-0	1.0

**STATE REGULATIONS:**

**California Proposition 65**

This product does contains the following Proposition 65 chemicals

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ferrous Chloride 7758-94-3	X	X	X
Hydrochloric acid 7647-01-0	X	X	X
Ferric Chloride 7705-08-0	X	X	X

**INTERNATIONAL REGULATIONS:**

**International Inventories**

TSCA                    **Complies**  
 DSL/NDSL            **Complies**  
 EINECS/ELINCS    **Complies**  
 ENCS                 **Complies**  
 IECSC                **Complies**  
 KECL                 **Complies**  
 PICCS                **Complies**  
 AICS                 **Complies**

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**SECTION 16: OTHER INFORMATION**

**OTHER INFORMATION:**

NFPA

Reactivity: 0

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Flammability: 0  
Physical Hazards: 0  
Health Hazards: 0  
Personal Protection: X  
Physical and Chemical Properties: HMIS

**DISCLAIMER:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.