
SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Concrete Stain Golden Fern
SYNONYMS:
PRODUCT CODES: CS-22

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

SECTION 2: HAZARDS IDENTIFICATION

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:

25.7% of the mixture consists of ingredient(s) of unknown toxicity

CHRONIC HEALTH HAZARDS:

May cause genetic defects
May cause cancer
May damage fertility or the unborn child

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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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	% WT	Trade Secret
Copper Chloride	7447-39-4	15-50	*
Hydrochloric acid	7647-01-0	0-20	*
Ferrous Chloride	7758-94-3	0-30	*

SECTION 2 NOTES:

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

SECTION 4: FIRST AID MEASURES

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. Clean mouth with water and drink afterwards plenty of water.

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

SECTION 5: FIRE-FIGHTING MEASURES

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

SECTION 7: HANDLING AND STORAGE

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.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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
Copper Chloride 7447-39-4	TWA: 1 mg/m3 Cu dust and mist	-	IDLH: 100 mg/m3 Cu dust and mist TWA: 1 mg/m3 Cu dust and mist
Hydrochloric acid 7647-01-0	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m3 Ceiling: 5 ppm Ceiling: 7 mg/m3	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m3
Ferrous Chloride 7758-94-3	TWA: 1 mg/m3 Fe	(vacated) TWA: 1 mg/m ³ Fe	TWA: 1 mg/m ³ 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

pH AS SUPPLIED: No information available

pH (Other): No information available

BOILING POINT:

F: No information available

C: No information available

MELTING POINT:

F: 32

C: 0

FREEZING POINT:

F: No information available

C: No information available

VAPOR PRESSURE (mmHg): No information available

@

F: No information available

C: No information available

VAPOR DENSITY (AIR = 1):

@

F: No information available

C: No information available

SPECIFIC GRAVITY (H2O = 1): 1.30 +/- 0.03

EVAPORATION RATE:

No information available

BASIS (=1):

No information available

SOLUBILITY IN WATER:

No information available

PERCENT SOLIDS BY WEIGHT:

No information available

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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

STABILITY:

Stable under normal conditions.

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
Copper Chloride 7447-39-4	= 584 mg/kg (Rat)	-	-
Hydrochloric acid 7647-01-0	= 700 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	= 3124 ppm (Rat) 1 h
Ferrous Chloride 7758-94-3= 450 mg/kg (Rat)	= 450 mg/kg (Rat)	-	-

Carcinogenicity

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

Reproductive toxicity No information available.

STOT - single exposure No information available.
STOT - repeated exposure No information available.
Chronic toxicity May cause adverse liver effects.
Target Organ Effects Eyes, kidney, liver, Respiratory system, Skin.
Aspiration hazard No information available.

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

ATEmix (oral) 13687 mg/kg
ATEmix (dermal) 98057 mg/kg
ATEmix (inhalation-gas) 30541 mg/l
ATEmix (inhalation-dust/mist) 9.8 mg/l

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

25..7% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Hydrochloric acid 7647-01-0	-	282: 96 h Gambusia affinis mg/L LC50 static	-
Ferrous Chloride 7758-94-3	-	4: 96 h Morone saxatilis mg/L LC50 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
Copper Chloride 7447-39-4	Toxic

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: This product contains a chemical which is listed as a severe marine pollutant according to DOT.

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
Copper Chloride 7447-39-4	10 lb	X	-	X
Hydrochloric acid 7647-01-0	5000 lb	-	-	X
Ferrous Chloride 7758-94-3	100 lb	-	-	X

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CWA (CLEAN WATER ACT):

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Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ferrous Chloride 7758-94-3	10 lb	-	RQ 10 lb final RQ RQ 4.54 kg final RQ
Hydrochloric acid 7647-01-0	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Ferrous Chloride 7758-94-3	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):
No information available

311/312 HAZARD CATEGORIES:

Acute health hazard **No**
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 %
Copper Chloride - 7447-39-4	1.0
Hydrochloric acid - 7647-01-0	1.0

STATE REGULATIONS:

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Copper Chloride 7447-39-4	X	X	X
Hydrochloric acid 7647-01-0 Ferrous Chloride 7758-94-3	X	X	X
Ferrous Chloride 7758-94-3	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

Health Hazards: 3

Flammability: 0

Reactivity: 0

Physical and Chemical Properties: -

HIMS

Health Hazards: 0

Flammability: 0

Physical Hazards: 0

Personal protection: X

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.