
SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Concrete Stain Mahogany
SYNONYMS:
PRODUCT CODES: CS-18

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

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|--|----------------|
| Acute toxicity - Oral | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Skin corrosion/irritation | Category 1 |
| Subcategory | Sub-category B |
| Serious eye damage/eye irritation | Category 1 |
| Respiratory sensitization | Category 1 |
| Skin sensitization | Category 1 |
| Germ cell mutagenicity | Category 1B |
| Carcinogenicity | Category 1A |
| Reproductive toxicity | Category 1B |
| Specific target organ toxicity (repeated exposure) | Category 1 |

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

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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
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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>INGREDIENT:</u> | <u>CAS NO.</u> | <u>% WT</u> | <u>Trade Secret</u> |
|--------------------|----------------|-------------|---------------------|
| Manganese Chloride | 7773-01-5 | 0-25 | * |
| Hydrochloric acid | 7647-01-0 | 0-20 | * |
| Sodium dichromate | 10588-01-9 | 1-10 | * |
| Ferrous Chloride | 7758-94-3 | 0-25 | * |

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

SKIN:

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

INGESTION:

If swallowed, call a poison control center or physician immediately. Clean mouth with water and drink afterwards plenty of water.

INHALATION:

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.

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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.

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 |
|---|--|--|---|
| Manganese Chloride 7773-01-5 | TWA: 0.02 mg/m ³ Mn TWA: 0.1 mg/m ³ Mn(vacated) | (vacated) TWA: 1 mg/m ³ Fe(vacated) Ceiling: 5 mg/m ³ Ceiling: 5 mg/m ³ Mn | IDLH: 500 mg/m ³ Mn TWA: 1 mg/m ³ Mn STEL: 3 mg/m ³ Mn |
| Hydrochloric acid 7647-01-0 | Ceiling: 2 ppm | (vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m ³ Ceiling: 5 ppm Ceiling: 7 mg/m ³ | IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m ³ |
| Sodium dichromate 10588-01-9TWA: 0.05 mg/m ³ Cr | TWA: 0.05 mg/m ³ Cr | TWA: 5 µg/m ³ (vacated) Ceiling: 0.1 mg/m ³ Ceiling: 0.1 mg/m ³ CrO ₃ applies to any operations or sectors for which the Hexavalent Chromium standard [29 CFR 1910.1026] is stayed or is otherwise not in effect | IDLH: 15 mg/m ³ Cr(VI) TWA: 0.0002 mg/m ³ Cr |
| Ferrous Chloride 7758-94-3 | TWA: 1 mg/m ³ Fe | | |

NIOSH IDLH Immediately Dangerous to Life or Health

SECTION 8 NOTES:

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

ODOR Threshold:

No information available

PHYSICAL STATE:

Liquid

COLOR:

Dark Brown

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

F: No information available

C: No information available

VAPOR DENSITY (AIR = 1): No information available

F: No information available

C: No information available

SPECIFIC GRAVITY (H2O = 1): No information available

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:
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 information available

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

POSSIBILITY OF HAZARDOUS REACTION:
None under normal processing.

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 :
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 |
|---------------------------------|---------------------|-------------------------|--------------------------|
| Manganese Chloride 7773-01-5 | = 250 mg/kg (Rat) | - | - |
| Hydrochloric acid 7647-01-0 | = 700 mg/kg (Rat) | > 5010 mg/kg (Rabbit) | = 3124 ppm (Rat) 1 h |
| Sodium dichromate 10588-01-9 | = 50 mg/kg (Rat) | = 336 mg/kg (Rabbit) | = 0.124 mg/L (Rat) 4 h |
| Ferrous Chloride 7758-94-3 | = 450 mg/kg (Rat) | - | - |

Carcinogenicity

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------------------------|-------|---------|-------|------|
| Hydrochloric acid 7647-01-0 | - | Group 3 | - | - |
| Sodium dichromate 10588-01-9 | A1 | Group 1 | Known | X |

ACGIH (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Not classifiable as a human carcinogen

NTP (National Toxicology Program)

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Known - Known Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

STOT - repeated exposure: No information available.

Chronic toxicity: May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.
Target Organ Effects: Blood, Central nervous system, Eyes, kidney, liver, lungs, Respiratory system, Skin.

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

ATEmix (oral) 968 mg/kg
ATEmix (serman) 14813 mg/kg
ATEmix (inhalation-gas) 24031 mg/l
ATEmix (inhalation-dust/mist) 0.8 mg/l

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

8.5% of the mixture consists of component(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 | - |
| Sodium dichromate 10588-01-9 | - | 33.2: 96 h Pimephales promelas mg/L LC50 flow-through 69: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 213: 96 h Lepomis macrochirus mg/L LC50 static 0.098 - 0.129: 48 h Daphnia magna mg/L EC50 1.4: 24 h Daphnia magna mg/L EC50 | 0.098 - 0.129: 48 h Daphnia magna mg/L EC50 1.4: 24 h Daphnia magna mg/L EC50 |
| Ferrous Chloride 7758-94-3 | - | 4: 96 h Morone saxatilis mg/L LC50 static | - |

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Other adverse effects
No information available.

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 |
|---------------------------------|-----------------------------------|
| Manganese Chloride 7773-01-5 | Toxic |
| Sodium dichromate 10588-01-9 | Toxic Corrosive Ignitable |

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

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PACKING GROUP: III
LABEL STATEMENT: No information available

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):
 Complies

CWA (CLEAN WATER ACT):

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Hydrochloric acid 7647-01-0 | 5000 lb | - | - | X |
| Sodium dichromate 10588-01-9 | 10 lb | X | - | X |
| Ferrous Chloride 7758-94-3 | 100 lb | - | - | X |

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------------------|--------------------------|----------------|--|
| Hydrochloric acid 7647-01-0 | 5000 lb | 5000 lb | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| Sodium dichromate 10588-01-9 | 10 lb | - | RQ 10 lb final RQ RQ 4.54 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 % |
|--------------------------------|-------------------------------|
| Manganese Chloride - 7773-01-5 | 1.0 |
| Hydrochloric acid - 7647-01-0 | 1.0 |
| Sodium dichromate - 10588-01-9 | 0.1 |

STATE REGULATIONS:

California Proposition 65

This product contains the following Proposition 65 chemicals

| Chemical Name | California Proposition 65 |
|--------------------------------|---|
| Sodium dichromate - 10588-01-9 | Carcinogen Developmental Female Reproductive Male Reproductive |

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US State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------------------------|------------|---------------|--------------|
| Manganese Chloride 7773-01-5 | X | - | X |
| Hydrochloric acid 7647-01-0 | X | X | X |
| Sodium dichromate 10588-01-9 | 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
Reactivity: 0
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.