

Material Safety Data Sheet

Section 1 General Information

Manufacturer: Citri Fresh
(678) 697-6267

Date: 07/12/07

Product Name: Deck Brite

Product Codes: CF-DB-2 | CF-DB-5 | CF-DB-20

Section 2 Hazardous Ingredients

OSHA ACGIH

Hazardous Component

CAS#

PEL

TLV

Oxalic Acid

144-62-7 1 mg/m³

8-hour TWA = 1 mg/m³ (STEL = 2 mg/m³)

Section 3 Hazard Identification

Emergency Overview: This material is a cleaner used to clean and brighten wood surfaces such as decks, fences, and siding. It is a POWDER with a mild odor and a flash point greater than 200 F.

Primary Routes of Exposure:

Eye

Skin

Potential Acute Health Effects:

Eye: Contact may cause eye irritation.

Skin: Prolonged or repeated contact may cause irritation. May be absorbed through the skin.

Ingestion: Substance may be harmful if swallowed. May cause burning, nausea, gastroenteritis and vomiting. May cause renal damage, as evidenced by bloody urine.

Inhalation: Avoid breathing vapors or mists. Harmful if inhaled. Can cause irritation and burns of nose, throat, and respiratory tract.

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

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Potential Chronic Health Effects:

Chronic Exposure: May cause inflammation of the upper respiratory tract. Prolonged skin contact can cause dermatitis, cyanosis of the fingers and possible ulceration. May affect kidneys.

Signs and Symptoms: Persons with pre-existing skin disorders or eye problems, or impaired kidney or respiratory function may be more susceptible to the effects of the substance. (See also Sections 4, 8, and 11 for related information)

Section 4 First Aid Measures

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

Skin contact: Wash thoroughly with soap and water. If irritation persists, get medical attention. Wash contaminated clothing before reuse.

Ingestion: Get medical attention immediately. If swallowed, give large quantities of milk. Call a Physician or poison control center immediately.
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Note to Physician: There is no specific antidote for effects from overexposure to this material. Treatment should be directed at the control of symptoms and the clinical condition.

Section 5 Fire Fighting Measures

Flash Point: N/D (est. > 200 F).

Flammable Limits in Air: Lower (LEL): Not determined
Upper (UEL): Not determined

Extinguishing Media: Use dry chemical, carbon dioxide, or foam.

Protection of Firefighters: As in any fire, wear complete fire service protective equipment, including full-face MSHA/NIOSH approved or equivalent self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel. Do not put in contact with oxidizing or caustic materials.

Fire and Explosion Hazards: None known.

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Section 6 Accidental Release Measures

Personal Precautions: Use with adequate ventilation. Avoid breathing vapors. Do not get in eyes. Avoid contact with skin. Do not eat, drink or smoke in areas of use or storage.

Clean Up Methods: Eliminate all ignition sources. Keep unnecessary people away. Dike and contain spill with inert material (sand, earth, etc.). Transfer liquid to containers for recovery or disposal, or absorb with absorbent materials and place into containers for disposal. Keep spill out of sewer and open bodies of water. Floors may be slippery; care should be exercised to avoid falls during clean up operations.

(See also Section 8 for information on Exposure Controls and Personal Protective Equipment)

Section 7 Handling and Storage

Handling: Avoid breathing vapors and mists. Avoid contact with skin or eyes. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

Storage: Keep in closed, labeled container when not in use. Store in a cool, dry, well shaded, ventilated area. Protect from physical damage. Maintain good housekeeping.

Section 8 Exposure Controls / Personal Protection

Engineering Controls: Use in well-ventilated area. Provide sufficient mechanical ventilation (local exhaust or general room dilution) to maintain exposure levels below applicable exposure levels. Local exhaust is necessary for use in enclosed or confined spaces.

Personal Protective Equipment (PPE):

Eye Protection: Wear chemical splash goggles, or full-face shield to prevent splashing.

Skin Protection: Wear impervious chemical resistant gloves.

Respiratory Protection: If ventilation does not maintain inhalation exposure below the applicable occupational exposure limit or if applying with a sprayer use a NIOSH approved respirator with acid/gas cartridges and follow the equipment manufacturers "Instructions" and "Warnings".

Other Protective Clothing: Impervious apron and rubber boots to prevent skin contact.

General Hygiene Practices: Remove contaminated clothing and wash before reusing. To avoid accidental ingestion, do not eat, drink, smoke, or apply cosmetics while handling this material.

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Section 9 Physical Data

Appearance: Powder **Odor:** Mild odor

Physical State: Powder **pH:** 1.3

Boiling Point: N/D **Melting Point:** N/D

Vapor Pressure: N/D **Vapor Density:** N/D

Odor Threshold: N/D **Viscosity:** N/D

Solubility in Water: N/D **Specific Gravity** (water = 1): > 1

Section 10 Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide when mixed with water.

Incompatibility: Corrodes glass, cement and most metals. Do not store in glass or porcelain, gases may collect in headspace.

Section 11 Toxicological Information

Carcinogenicity: This material is not considered a carcinogen by IARC or NTP and is not regulated as a carcinogen by OSHA.

(See also Section 15 for related information)

Section 12 Ecological Information

Chemical Fate and Effects: Product has not been tested for ecotoxicity.

Section 13 Disposal Considerations

RCRA Hazardous Waste: This material, when discarded or disposed of, could be a hazardous waste according to federal regulations (40 CFR 261). The transportation, storage, treatment, and disposal of this waste must be conducted in compliance with 40 CFR 262, 263, 264, 268, and 270. Disposal can only occur in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations.

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Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate.

Section 14 Transportation Information

Regulated by the US DOT: No. This product is not considered a hazardous material by DOT.

Freight Classification: Cleaning Compound

Section 15 Regulatory Information

CERCLA:

The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

| <u>Chemical Name</u> | <u>CAS#</u> | <u>Maximum Concentration (Wt. %)</u> |
|----------------------|-------------|--------------------------------------|
| None | N/A | N/A |

SARA Title III, section 311/312:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

| <u>Chemical Name</u> | <u>CAS#</u> | <u>Maximum Concentration (Wt.%)</u> |
|----------------------|-------------|-------------------------------------|
| None | N/A | N/A |

SARA Title III, section 313:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

| <u>Chemical Name</u> | <u>CAS#</u> | <u>Maximum Concentration (Wt. %)</u> |
|----------------------|-------------|--------------------------------------|
| None | N/A | N/A |

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This product does not contain any chemicals that require export notification under Section 12(b) of the TSCA regulation.

Section 16 Other Information

Legend: N/A: Not Applicable N/D: Not Determined

N/E: Not Established N/R: Not Required

STEL: Short Term Exposure Limit **C:** OSHA Ceiling Value

cps: Centipoise **mg/m³:** milligrams per cubic meter

mppcf: million particles per cubic foot of air.

PPM: Parts Per Million

PPB: Parts Per Billion **PEL:** Permissible Exposure Limit

TLV: Threshold Limit Value **TWA:** Time Weighted Average

ACGIH: American Conference of Governmental Industrial Hygienists

CPSC: Consumer Product Safety Commission

FHSA: Federal Hazardous Substance Act

OSHA: Occupational Safety and Health Administration (US Dept. of Labor)

RCRA: Resource Conservation and Recovery Act

SARA: Superfund Amendment and Reauthorization Act

Skin: This substance has the potential to be absorbed systemically through the skin.

TSCA: Toxic Substance Control Act

HMIS Key

4 = Severe Hazard

3 = Serious Hazard

2 = Moderate Hazard

1 = Slight Hazard

0 = Minimal Hazard

Prepared By Citri Fresh Health and Safety Manager, Regulatory Compliance Dept.,
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Disclaimer: Citri Fresh believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data and to comply with all applicable international, federal, state, and local laws and regulations.