

MATERIAL SAFETY DATA SHEET
Wood Brightener & Neutralizer

SECTION 1 IDENTIFICATION

Product Name: DECK BRIGHTENER & NEUTRALIZER

Manufacturer:
DUMOND CHEMICALS, INC
104 Interchange Plaza, Ste. 202
Monroe Township, NJ 08831
(609) 655-7700

MSDS Date of Preparation: 02/14/11

EMERGENCY PHONE: (800) 457-4280

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

Causes eye irritation or burns. May cause skin irritation. Harmful if absorbed through the skin. Vapors or mists may cause irritation to the eyes, mucous membranes and respiratory tract. Higher concentrations may cause severe irritation or burns and pulmonary edema. Ingestion may cause burns to the mouth, throat and stomach with gastrointestinal corrosion, abdominal pain, nausea, vomiting, headache, weak pulse and muscle cramps. May cause chronic effects.

SECTION 3: PRODUCT COMPONENTS

INGREDIENTS

Oxalic Acid
Citric Acid

CAS#.

144-62-7
77-92-9

WT. %

1-10
1-5

SECTION 4 EMERGENCY and FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with water for at least 30 minutes while lifting the upper and lower lids. Get immediate medical attention.

SKIN CONTACT: Immediately flush skin thoroughly with water for 15 minutes. Wash area with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops or persists.

INHALATION: Remove to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.

INGESTION: If conscious, give 1 glass of water or milk to dilute. DO NOT induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get immediate medical attention.

SECTION 5 FIRE and EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: This material is not combustible. Use any media that is suitable for the surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water spray or stream.

UNUSUAL FIRE AND EXPLOSION HAZARDS: At elevated temperatures containers may rupture.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate protective clothing to prevent eye and skin contact. Collect into closable containers for disposal. Small spills may be neutralized with soda ash. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities.

SECTION 7 HANDLING and STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Protect containers from physical damage. Store in a cool, well ventilated area away from incompatible materials.

Prevent eye and skin contact. Do not breathe mists or aerosols. Use only with appropriate protective equipment. Immediately remove and launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking, or using toilet facilities.

OTHER PRECAUTIONS: Empty containers retain product residues. Follow all MSDS precautions in handling empty containers.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

INGREDIENTS

Oxalic Acid, dihydrate

Citric Acid

EXPOSURE LIMITS

1 mg/m³ TWA ACGIH TLV

2 mg/m³ ACGIH STEL

1 mg/m³ TWA OSHA PEL

None Established

RESPIRATORY PROTECTION: Good general ventilation (equivalent to outdoors) should be adequate under normal conditions. For spray application or areas where the TLV is exceeded, a NIOSH approved dust mist or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

VENTILATION: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

GLOVES: Rubber, butyl rubber or other impervious gloves are recommended.

PROTECTIVE CLOTHING: Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible.

EYE PROTECTION: Chemical safety goggles should be worn if splashing is possible.

OTHER PROTECTIVE EQUIPMENT: For operations where contact can occur, a safety shower and an eye wash facility should be available.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Colorless to slightly yellow liquid with no odor.

BOILING POINT: 212°F/ 100°C

SPECIFIC GRAVITY (H₂O=1): Not determined

VAPOR PRESSURE: Not determined

VAPOR DENSITY (AIR=1): Not determined

EVAPORATION RATE: Similar to water

FLASH POINT: None

FLAMMABLE LIMITS: (vol % in air) LEL: Not applicable

MELTING POINT: Not available

VOLATILE: <85%

pH: 1.1

SOLUBILITY IN WATER: Complete

COEFFICIENT OF WATER/OIL: Not available

AUTOIGNITION TEMPERATURE: Not established

UEL: Not applicable

SECTION 10 STABILITY and REACTIVITY

STABILITY: This material is stable.

CONDITIONS TO AVOID: Not applicable.

INCOMPATIBILITY: Avoid alkalis, alkali earth metals, chlorites, hypochlorites, carbonates, bicarbonates, acetates, sulfides, furfuryl alcohol, silver compounds and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide, formic acid, nitrogen oxides, hydrogen chloride and methyl chloride.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not applicable.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

INHALATION: Mist and vapors may cause irritation to the eyes, mucous membranes and upper respiratory tract. High concentrations may cause severe irritation or burns and pulmonary edema.

SKIN CONTACT: May cause irritation or burns with redness and pain. Oxalic acid may be absorbed through the skin cause systemic poisoning. Prolonged or repeated skin contact with diluted solutions or mists may cause dermatitis.

EYE CONTACT: Mists may cause irritation or burns, tearing and blurred vision. Direct contact may cause burns with corneal damage or blindness.

INGESTION: May cause gastrointestinal corrosion, abdominal pain, nausea, vomiting, muscle weakness and weak pulse. Oxalic acid causes removal of calcium from the blood, causing damage to the kidneys, which can be fatal.

CHRONIC EFFECTS OF OVEREXPOSURE: Repeated skin contact with diluted solutions or mists may cause dermatitis. Prolonged or repeated contact may cause erosion of tooth enamel and damage to the kidneys.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory, eye or skin diseases may be at increased risk from exposure to this material.

TOXICOLOGY DATA: This product has not been tested as a whole. Toxicity values for the components are:

Oxalic Acid: Oral Rat LD50: 7,500 mg/kg

Citric Acid: Oral rat LD50 6,730 mg/kg

None of the components of this product is listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Oxalic Acid: No data available

Citric Acid: 48 LC50 European Shore Crab 160 mg/L

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Corrosive Liquid, Acidic, Organic, n.o.s. (Oxalic Acid)

DOT HAZARD CLASSIFICATION: Class 8, PGIII

DOT LABELS REQUIRED (49CFR172.101): Corrosive

UN NUMBER: UN3265

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Corrosive, toxic, target organ effects

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 HAZARD CLASSIFICATION: Acute health, Chronic Health

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product contains the following chemicals which are known to the State of California to cause cancer and reproductive toxicity: None

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

WHMIS CLASSIFICATION: Class E - Corrosive

This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 3 Fire: 0 Reactivity: 0

Revision History: New MSDS