

# MATERIAL SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product and Company Identification:**

**Date of Preparation:** March, 2014

**Product Name:** Storm System™ Wood Brightener / Neutralizer No. 10310

**Manufactured For:** California Products Corporation

150 Dascomb Road, Andover, MA 01810 (USA)

All Inquiries To: 1-844 GO STORM (1-844-467-8676); Fax: 1-800-533-6788

Emergency Information: 24 Hour Contact: CHEM-TEL: (800) 255-3924 (USA)

International 24 Hour Emergency Contact No.: (813) 248-0585

## 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

#### CAS#.

#### WT. %

Oxalic Acid

144-62-7

1-10

Citric Acid

77-92-6

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 immediate medical attention.

**INHALATION:** Remove to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get immediate 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. Flush spill area with water. Prevent runoff to storm sewers and ditches leading to natural waterways. Report spill as required by local and federal regulations.

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 acids and other 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

**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

Non 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:** 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

**MELTING POINT:** Not available

**VOLATILE:** >85%

**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 UEL: Not applicable

**pH:** 1.1  
**SOLUBILITY IN WATER:** Complete  
**COEFFICIENT OF WATER/OIL:** Not available  
**AUTOIGNITION TEMPERATURE:** Not established

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, 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. Higher concentrations may cause severe irritation and pulmonary edema.

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

**EYE CONTACT:** May cause severe burns, tearing and blurred vision. Direct contact may cause burns with corneal damage or blindness.

**INGESTION:** May cause gastrointestinal corrosion, vomiting, diarrhea, shock and death.

**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 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

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:** UN 3265

SECTION 15: REGULATORY INFORMATION

**OSHA HAZARD CLASSIFICATION:** Corrosive, 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 by the State of California to cause cancer or reproductive toxicity (birth defects): None

**WHMIS CLASSIFICATION:** Class E - Corrosive

**CANADIAN CEPA:** All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

SECTION 16: OTHER INFORMATION

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

Revision History: New MSDS