

# MATERIAL SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product and Company Identification:**

**Date of Preparation:** March, 2014

**Product Name:** Storm System™ Wood Restorer No. 20410

**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

#### **DANGER! CORROSIVE!**

Contact with the eyes may cause severe burns with possible corneal damage and blindness. Skin contact may cause chemical burns or dermatitis if exposure is prolonged. Vapors or mists may cause irritation to the eyes, mucous membranes and respiratory tract. Higher concentrations may cause severe irritation and pulmonary edema. Ingestion may cause gastrointestinal corrosion, vomiting, diarrhea, shock or death.

## SECTION 3: PRODUCT COMPONENTS

<b><u>INGREDIENTS</u></b>	<b><u>CAS#.</u></b>	<b><u>WT. %</u></b>
Sodium Hydroxide	1310-73-2	1-6
Sodium Metasilicate	6834-92-0	1-5
2-Butoxyethanol	111-76-2	1-5
(Ethylene Glycol Monobutyl Ether)		
Non-hazardous Ingredients	NA	Balance

## 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. Contact with metals may release flammable hydrogen gas. Contents are corrosive and all personal contact must be avoided.

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

<b>PROTECTION INGREDIENTS</b>	<b>EXPOSURE LIMITS</b>
Sodium Hydroxide	2 mg/ m <sup>3</sup> Ceiling ACGIH TLV 2 mg/ m <sup>3</sup> TWA OSHA PEL
Sodium Metasilicate	5 mg/m <sup>3</sup> TWA OSHA PEL
2-Butoxyethanol	20 ppm TWA ACGIH TLV
(Ethylene Glycol Monobutyl Ether)	50 ppm skin TWA OSHA PEL
Non-hazardous Ingredients	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 use a NIOSH approved organic vapor/dust mist respirator (mask) with appropriate eye protection. A full facepiece respirator provides both eye and respiratory protection. For higher concentrations (greater than 10 times the TLV) an approved supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. 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 required.

**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 and/or face shield required. Do not wear contact lenses.

**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:** Blue liquid with a mild odor.

**BOILING POINT:** 212°F/100°C

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.11

**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

**MELTING POINT:** Not available

**VOLATILE:** >75%

**pH:** 14

**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:** Strong oxidizers, alkalies, acids, organic halogens, ammonia, organic amines, reducing sugars and nitromethane.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, sodium oxides, ammonia, polyacrylates and acrylic acid. Contact with metals such as aluminum, tin, lead and zinc may produce hydrogen gas.

**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 chemical burns with reddening and pain. Prolonged or repeated skin contact with diluted solutions or mists may cause dermatitis. 2-Butoxyethanol may be absorbed through the skin causing headache, dizziness, incoordination, general weakness and possible kidney and liver injury.

**EYE CONTACT:** May cause severe burns with possible permanent damage and 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 over exposure to 2-butoxyethanol may cause adverse effects of the blood, kidneys and liver.

**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:

Sodium Hydroxide: No data available

Sodium Metasilicate: Oral rat LD50 1280 mg/kg

2-Butoxyethanol: Oral rat LD50 1.48 g/kg; Skin rabbit 400 mg/kg; Inhalation rat LC50 450 ppm/4hr.

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

Sodium hydroxide and 2-butoxyethanol are mutagenic in some test systems.

None of the components are known to cause sensitization in animals or humans.

2-Butoxyethanol and sodium metasilicate have been found to cause adverse reproductive effects and birth defects in laboratory animals.

SECTION 12: ECOLOGICAL INFORMATION

2-Butoxyethanol: 96 hr LC50 bluegill sunfish: 1,490 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:**

Containers 2.2 lbs. (1 kg.) or smaller: Consumer Commodity, ORM-D

Containers larger than 0.3 gal. (1 L): Corrosive Liquid, Basic, Inorganic, n.o.s. (Sodium Hydroxide, Sodium Metasilicate), 8, UN3266, PGII

**DOT HAZARD CLASSIFICATION:** Class 8, PGII (Corrosive material)

**DOT LABELS REQUIRED (49CFR172.101):** Corrosive

**UN NUMBER:** UN 3266

Note: If >16,666 pounds of this product in a single container, RQ requirements apply.

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:

2-Butoxyethanol (Glycol Ether Compounds)	1-5%	111-76-2
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**CERCLA Hazardous Substances (Section 103)/RQ:** Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for Sodium Hydroxide (6% maximum) of 1,000 lbs, is 16,666 lbs. 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 D Division 2 Subdivision B (A Toxic Material Causing other Chronic Effects); Class E - Corrosive

**CANADIAN CEPA:** All the components of this product are listed on the Canadian DSL. This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

SECTION 16: OTHER INFORMATION
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NFPA Rating: Health: 3 Fire: 0 Reactivity: 0  
Revision History: New MSDS