

# MATERIAL SAFETY DATA SHEET (MSDS)

## **SECTION 1. COMPANY AND PRODUCT IDENTIFICATION:**

MANUFACTURED FOR: Brady Industries, LLC	EMERGENCY TELEPHONE NUMBER (Chemtrec): (800) 424 – 9300
ADDRESS: 7055 Lindell Road Las Vegas, CA. 89118	TELEPHONE NUMBER FOR INFO: (702) 876-3990
DATE PREPARED: 4/28/2014	FAX NO. (702) 876-1580
PRODUCT NAME: <b>ULTRA BUILT DETERGENT</b>	DESCRIPTION: Economical Built Detergent

## **SECTION 2. HAZARDS IDENTIFICATION:**

### **I. EMERGENCY OVERVIEW**

\*Danger!\* Corrosive. Causes eye and skin burns.

May cause irritation and chemical burns to eyes, skin mucous membranes.

\*Target Organs: \*Eyes, skin, mucous membranes.

### **II. POTENTIAL HEALTH EFFECTS**

**INHALATION:** Breathing of mist may cause damage to the upper respiratory tract and the lung tissue, which could result in chemical pneumonia.

**SKIN CONTACT:** Will cause severe irritation and can cause deep chemical burns.

**EYE CONTACT:** Causes burns that result in damage to the eyes and possibly blindness.

**INGESTION:** Causes severe burns to mucous membranes of the mouth, throat, esophagus, and stomach.

**CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** Chronic effects and medical conditions aggravated by overexposure to this product have not been established.

## **SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS:**

The identity of individual components of this mixture is proprietary information and regarded to be a trade secret. However, based on the health hazard determination of ingredients present at a concentration greater than 1% and 0.1% or more of a carcinogenic substance, this mixture presents the following hazard:

HAZARDOUS COMPONENTS	% (RANGE)	CAS NO.	OSHA PEL	ACGIH TLV
Sodium Hydroxide	5 - 15	1310-73-2	2 mg/m <sup>3</sup> 8 hr TWA	2 mg/m <sup>3</sup> Ceiling

## **SECTION 4. FIRST AID MEASURES:**

**INHALATION:** Move the victim to fresh air. Give artificial respiration if not breathing.

**SKIN:** Immediately flush the area with flowing water for at least 15 minutes, while removing contaminated clothing. Wash the area with a nonabrasive soap and plenty of water. Wash clothing separately before reuse.

**EYES:** Immediately flush with plenty of water, alternately lifting the upper and lower eyelids. If appropriate, after 5 minutes, remove contact lenses and continue flushing the eyes for an additional 15 minutes. Get medical attention if irritation persists.

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**INGESTION:** Drink 2-3 glasses of water. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Get prompt medical attention.

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## **SECTION 5. FIRE FIGHTING MEASURES:**

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, water fog, sand/earth

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** This product can react with aluminum producing flammable hydrogen gas. Sealed containers may develop sufficient pressure to cause container to rupture under fire conditions. Use water spray to cool.

**SPECIAL FIRE FIGHTING PROCEDURES:** Must wear NIOSH approved or equivalent self-contained breathing apparatus and protective clothing.

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES:**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Containers should be stored in a cool, dry, well-ventilated area. Exercise due caution to prevent damage to or leakage from the container. Avoid contact with strong acids and reactive metals. Keep containers closed when not in use.

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## **SECTION 7. HANDLING AND STORAGE:**

**USAGE PRECAUTIONS:** Use as directed. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

**STORAGE PRECAUTIONS:** It is recommended that this material be stored in a cool area. Protect containers against damage. Keep closed until used. Store away from heat, sparks, open flame or sunlight. Keep out of reach of children.

**OTHER PRECAUTIONS:** Not applicable

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## **SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:**

**ENGINEERING CONTROLS:** Provide adequate mechanical or local exhaust ventilation to minimize exposure levels, particularly in areas where the air contacts open process equipment.

**RESPIRATORY PROTECTION:** Avoid breathing mists. Use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with dust/mist cartridges when concentrations are unknown.

**SKIN PROTECTION:** Wear rubber, neoprene, or nitrile gloves, and chemically resistant protective clothing, e.g., apron, or jump-suit and rubber boots.

**EYE PROTECTION:** Wear chemical splash goggles and a full-face shield where there is potential for eye contact. An eyewash fountain should be located in areas where the product is used.

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:**

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FLASH POINT: ND  
BOILING POINT: ND  
MELTING POINT: ND  
VAPOR PRESSURE (mm Hg): ND  
% VOLATILE BY VOLUME: ND  
SPECIFIC GRAVITY: ~ 1.05  
DENSITY: 8.81 lbs/gal  
APPEARANCE: Clear, colorless liquid  
ODOR / TASTE: Odorless  
SOLUBILITY IN WATER: Complete  
pH: > 13.0  
VISCOSITY: NA

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## **SECTION 10. STABILITY AND REACTIVITY:**

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STABILITY      \_\_\_\_\_ Unstable      X   Stable

INCOMPATIBILITY (*Materials to Avoid*): Strong oxidizers and acids. (Aluminum, zinc, tin and their alloys)

HAZARDOUS DECOMPOSITION PRODUCTS: High temperatures and fire conditions can result in the formation of toxic sodium oxide.

HAZARDOUS POLYMERIZATION: \_\_\_\_\_ MAY OCCUR      X   WILL NOT OCCUR

CONDITIONS TO AVOID: High temperatures and incompatibles.

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## **SECTION 11. TOXICOLOGICAL INFORMATION:**

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Toxicological data is not available.

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## **SECTION 12. ECOLOGICAL INFORMATION:**

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Ecological data is not available.

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## **SECTION 13. DISPOSAL CONSIDERATIONS:**

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Collect and dispose of in accordance with Federal, State and Local laws and regulations.

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## **SECTION 14. TRANSPORT INFORMATION:**

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### **DOT**

DOT Proper Shipping Name:    UN1824, Sodium Hydroxide Solution, 8, PG II

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## **SECTION 15. REGULATORY INFORMATION:**

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This product is not considered a carcinogen or cancer suspect under NTP, IARC and OSHA.

SARA (Superfund Amendments and Reauthorization Act of 1986), Title III, Section 313 (Toxic Chemicals):  
None

SARA (Superfund Amendments and Reauthorization Act of 1986), Title III, Section 302 (Extremely Hazardous Substances):  
None

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**SUPERFUND REPORTABLE QUANTITY:** Sodium Hydroxide (1310-73-2) (RQ = 1,000 lbs).

**CALIFORNIA/OSHA DIRECTOR'S LIST OF HAZARDOUS SUBSTANCES (8 CCR 339):** Sodium Hydroxide (1310-73-2)

**CALIFORNIA PROPOSITION 65:** None

**Label:** Corrosive

**NFPA RATING:** Health: 3 Fire: 0 Reactivity: 0

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## **SECTION 16. OTHER INFORMATION:**

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**SUPERSEDES:** None

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NA: not applicable ND: not determined

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