

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: ULTRA BUILT DETERGENT	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 ³ 8 hr TWA	2 mg/m ³ 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.

SECTION 5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Foam, CO₂, 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.

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.

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

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:

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

SECTION 10. STABILITY AND REACTIVITY:

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.

SECTION 11. TOXICOLOGICAL INFORMATION:

Toxicological data is not available.

SECTION 12. ECOLOGICAL INFORMATION:

Ecological data is not available.

SECTION 13. DISPOSAL CONSIDERATIONS:

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

SECTION 14. TRANSPORT INFORMATION:

DOT

DOT Proper Shipping Name: UN1760, CORROSIVE LIQUIDS, N.O.S., (SODIUM HYDROXIDE), 8, PGII

SECTION 15. REGULATORY INFORMATION:

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

SECTION 16. OTHER INFORMATION:

SUPERSEDES: 10/14/2014: DOT information update.

NA: not applicable ND: not determined

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