

SAFETY DATA SHEET

Ultra Built Detergent

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Printed: 05/23/2015

Revision: 05/02/2015

Supersedes Revision: 04/28/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: BRA/UBD
Product Name: Ultra Built Detergent
Company Name: Brady Industries, LLC
7055 Lindell Road
Las Vegas, NV 89118
Phone Number: +1 (702)876-3990
Web site address: www.shepardbros.com
Emergency Contact: CHEMTREC +1 (800)424-9300
Product Category: Detergent

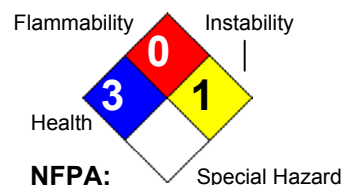
2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 1A



GHS Signal Word: Danger
GHS Hazard Phrases: H314 - Causes severe skin burns and eye damage.
GHS Precaution Phrases: P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases: P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician.
GHS Storage and Disposal Phrases: P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.

Hazard Rating System:



**Potential Health Effects
(Acute and Chronic):**

Inhalation: Breathing of mist may cause damage to the upper respiratory tract and the lung tissue, which could result in chemical pneumonia depending on the severity of exposure.

Skin Contact: May cause severe irritation and can cause deep chemical burns.

Eye Contact: May cause burns that result in damage to the eyes and possibly blindness.

Ingestion: May cause severe burns of the mucous membranes in the mouth, throat, esophagus, and stomach.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-73-2	Sodium hydroxide	5.00 - 15.0 %

4. FIRST AID MEASURES**Emergency and First Aid****Procedures:**

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention immediately.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical attention immediately.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention immediately.
In Case of Ingestion:	Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Note to Physician:	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt:	NA	Method Used: Not Applicable
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	NA	
Suitable Extinguishing Media:	Foam, CO2, water fog, sand/earth.	
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. Containers can build up pressure if exposed to heat (fire). Use water spray to keep fire-exposed containers cool.	
Flammable Properties and Hazards:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, toxic sodium oxide, Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.	

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions:	Do not let product enter drains, sewers, watersheds or water systems.
Steps To Be Taken In Case Material Is Released Or Spilled:	Spills/Leaks: Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. Neutralize residual product with a weak acid, such as acetic acid.

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7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Use as directed. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
Precautions To Be Taken in Storing:	Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. Keep away from heat, sparks and flame. Avoid contact with strong acids. Avoid contact with reactive metals. Store in a tightly closed container. Keep container closed when not in use. Protect containers against damage.
Other Precautions:	Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-73-2	Sodium hydroxide	PEL: 2 mg/m3	TLV: 2 mg/m3 CEIL: 2 mg/m3	No data.
Respiratory Equipment (Specify Type):	Avoid breathing vapors and mists. Use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with dust/mist cartridges when concentrations are unknown.			
Eye Protection:	Wear chemical splash goggles and a full-face shield where there is potential for eye contact.			
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves. nitrile gloves.			
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron. Rubber or neoprene boots.			
Engineering Controls (Ventilation etc.):	Use adequate mechanical or local exhaust ventilation to minimize exposure levels, particularly in areas where the air contacts open process equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.			
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid		
Appearance and Odor:	Appearance: Clear. colorless. Liquid. Odor: Odorless.		
Melting Point:	NA		
Boiling Point:	NA		
Decomposition Temperature:	NA		
Autoignition Pt:	NA		
Flash Pt:	NA	Method Used:	Not Applicable
Explosive Limits:	LEL: No data.		UEL: No data.
Specific Gravity (Water = 1):	~ 1.05		
Density:	8.81 LB/GA		

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Bulk density: NA
Vapor Pressure (vs. Air or mm Hg): NA
Vapor Density (vs. Air = 1): NA
Evaporation Rate: NA
Solubility in Water: Complete
Saturated Vapor Concentration: NA
Viscosity: NA
pH: > 13.0
Percent Volatile: NA
VOC / Volume: NA
Particle Size: NA
Heat Value: NA
Corrosion Rate: NA

10. STABILITY AND REACTIVITY

Reactivity: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, toxic sodium oxide, Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: High temperatures, Ignition sources, Incompatible materials, Direct sunlight.

Incompatibility - Materials To Avoid: Acids, Strong oxidizers, Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.

Hazardous Decomposition or Byproducts: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, toxic sodium oxide.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.
Other Studies: CAS# 1310-73-2
Acute toxicity, LDLO, Oral, Species: Rabbit, 500.0 mg/kg.

Irritation or Corrosion: Other Studies: CAS# 1310-73-2
Standard Draize Test, Eyes, Species: Rabbit, 400.0 ug.

Carcinogenicity/Other Information: CAS# 1310-73-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

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12. ECOLOGICAL INFORMATION

General Ecological Information:

Environmental: No information available.

Physical: No information available.

Other Studies: CAS# 1310-73-2:

LC50, Common Shrimp, Sand Shrimp (Crangon crangon), adult(s), 33000 - 100000 ug/L, 48H, Mortality

LC50, Western Mosquitofish (Gambusia affinis), adult(s), 125000 ug/L, 96H, Mortality

LC50, Cockle (Cerastoderma edule), adult(s) 330000 - 1000000 ug/L, 48H, Mortality

LC50, Guppy (Poecilia reticulata)}, young organism(s), 196.0 mg/L, 96H, Mortality.

Results of PBT and vPvB assessment:

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):**DOT Proper Shipping Name:** Corrosive liquids, n.o.s. (Sodium hydroxide)**DOT Hazard Class:** 8 CORROSIVE**UN/NA Number:** UN1760**Packing Group:** II

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No

CAS #	Hazardous Components (Chemical Name)
1310-73-2	Sodium hydroxide

Other US EPA or State Lists

TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8

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16. OTHER INFORMATION

Revision Date: 05/02/2015

Preparer Name: Crystal Maira

Additional Information: No data available.

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