



Material Safety Data Sheet

Section I Product Identifier

Effective Date: 03/22/11

Product: NE™

Product Description: Liquid Alkaline Detergent Mixture

Supplier: Hydro Engineering, Inc.
865 West 2600 South
Salt Lake City, UT. 84119

Company Contact: Parts Department
Phone: (801) 972-1181
Fax: (801) 972-3265
Web: www.hydroblaster.com

Emergency 24 Hr. Contact:
Chemtrec: 800-424-9300

Section II Composition / Information of Ingredients

<u>Hazardous Ingredients</u>	<u>Effect</u>	<u>CAS #</u>	<u>Percent</u>
Liquid Sodium Hydroxide	Corrosive to Skin & Eyes	1310-73-2	< 6.0
Proprietary Surfactant Blend	Eye Irritant	Not Applicable	< 8.0
Sodium Silicate	Irritating to Skin & Eyes	1344-09-8	< 5.0

Hazardous Ingredients	Exposure Limits of Ingredients	
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Liquid Sodium Hydroxide	2 mg/m ³	2 mg/m ³
Surfactant Blend	Not Established	Not Established
Sodium Silicate	Not Established	Not Established

Section III Hazardous Identification

Very irritating to eyes- Inhalation of mists may be irritating to throat and respiratory tract. Repeated contact with skin can remove natural oils and cause dryness and irritation.

Section IV - First Aid Measure

Inhalation: Move to fresh air. If irritation persists, get medical attention.
 Eye Contact: Flush with water for 15 minutes. Get immediate medical attention.
 Skin Contact: Rinse well with water. Remove contaminated clothing.
 Ingestion: Give water if conscious. Do not induce vomiting, although vomiting may occur naturally. Get immediate medical attention.

	865 West 2600 South, Salt Lake City, UT 84119 Phone 800-247-8424 or 801-972-1181 Fax 801-972-3265
	HYDROBLASTERS - HYDROKLEEN - HYDROPAD

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Section V - Fire Fighting Measure

Flammable Properties: Flash Point: None

Method Used: Not Applicable

Product will not burn. No known hazardous decomposition products.

Unusual Fire & Explosion Hazards: Upon contact with dusts of Al, Sn or Zn, may produce Hydrogen gas which is flammable.

Fire Fighting Procedures: Appropriate for surrounding materials.

Section VI - Accidental Release Measure

Spills and Leaks: Small spills – Rinse to drain.

Large spills – Contain for reclamation or disposal.

Caution: Spills of this material may cause floor to become slippery.

Section VII - Handling and Storage

Store this product in original container at temperatures below 120°F.

Product is best when used within 6 months of date of purchase.

Section VIII - Exposure Control / Personal Protection

Eyes: Wear Chemical Goggles.

Skin: Neoprene Gloves. Rubber Apron if greater exposure is likely.

Respiratory: Good General Ventilation. Respirator not normally required.

Section IX - Physical and Chemical Properties

Appearance & Odor: Clear, green liquid with mild odor.

Solubility in Water: Complete.

Freezing Point: Near Water

% Volatile (w/w): >65, mostly water

Specific Gravity: 1.1

pH full strength: 13.5

Section X - Stability and Reactivity

Stability: This is a stable material.

Conditions to Avoid: None Known.

Materials to Avoid: Do not add strong Acids to this concentrate. Avoid dusts of Aluminum, Tin or Zinc.

Hazardous Polymerization will NOT occur.



Section XI - Toxicology Information

No data is available on this mixture. For information on ingredients, write to the address listed in Section 16 of this MSDS.

Section XII - Ecological Information

No data is available on this mixture. All surfactant components are biodegradable. This product contains Phosphates.

Section XIII - Disposal Considerations

Follow all Federal, State, and Local Regulations appropriate for this material. Neutralize pH with dilute acid before disposal.

Section XIV - Transportation Information

D.O.T. Hazardous Material Class: Sodium Hydroxide Solution, Class 8, PG II

UN Number: UN1824

Section XV - Regulatory Information

Facilities storing more than 38,000 gallons of this material must file a SARA Title III report for Sodium Hydroxide.

California Prop. 65: This product may contain trace quantities of the following materials that are found by the state of California to cause cancer, birth defects and other reproductive harm:

Ethylene oxide, Acetaldehyde, Formaldehyde, 1,4-Dioxane, Methyl Chloride, all <0.0001%

Section XVI - Other Information

** Hazard Ratings provided for use by trained individuals only.

HMIS Ratings (0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe Hazard)

For Concentrate: Health 3, Flammability 0, Reactivity 0.

NFPA Ratings (0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe Hazard)

For Concentrate: Health 3, Flammability 0, Reactivity 0,

Dilution's over 1:40: Health 2, Flammability 0, Reactivity 0.

The information relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. HEI (Hydro Engineering, Inc.) makes no warranty, express or implied, as to the accuracy or completeness or adequacy of information herein, except that such information is to the best of HEI's belief, accurate as of the date indicated. HEI assumes no responsibility for injury from the use of the product described herein.