

Pentair Pool Products
P. O. Box 4127
El Monte, CA 91733

State of California DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

MATERIAL SAFETY DATA SHEET

Rainbow Lifeguard
Trade Name: Solution 3B

(This voluntary form is provided by CAL/OSHA to assist MSDS preparers and users. Any format may be used as long as it contains all the required information.)

***** I. Product Identification *****

Trade Name: Solution 3B
Chemical Name, Common Names: Sodium Hydroxide Solution

Manufacturer's Name: Pentair Pool Products
Address: 12202 East Garvey Ave., El Monte, CA 91732
Emergency Spill/MSDS Phone: (800) 451-8346
Business Phone: (626) 443-6114

Date Prepared: 6/20/01
Name of Preparer: John M. Lobato, Jr., B.S.

***** II. Hazardous Ingredients *****

Chemical Name	Cas Number	<u>Exposure Limits in Air</u>	
		ACGIH (TLV)	OSHA (PEL)
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³

***** III. Physical Properties *****

Vapor Density (air = 1): Not Applicable
Specific Gravity: 1.01
Solubility in Water: Complete
Vapor Pressure, mm Hg at 20°C: Not Applicable
Evaporation Rate (Butyl Acetate = 1): Not Applicable
Melting Point or Range, °F: Not Applicable
Boiling Point or Range, °F: >212
Appearance and Odor: Clear, colorless solution with no odor.
How to detect this substance (warning properties of substance as a gas, vapor, dust, or mist): Inhalation of mist may cause irritation of upper respiratory system.

***** IV. Fire and Explosion Hazard Data *****

Flash Point, °F (method): Not Applicable

Autoignition Temperature, °F: Not Applicable

Flammable Limits in Air, volume %: Lower: Not Applicable

Upper: Not Applicable

Fire Extinguishing Materials: Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures: Flood with water, do not splatter or splash this material.

Unusual Fire and Explosion Hazards:

Reacts with most metals to produce hydrogen gas, which can form an explosive mixture with air.

***** V. Health Hazard Information *****

1. Symptoms of Overexposure for Each Potential Route of Exposure:

a. Inhaled: Inhalation of mist may cause severe irritation or burns of the respiratory system, pulmonary edema, or lung inflammation.

b. Contact with Skin and Eyes: Liquid may cause burns to skin and eyes

c. Absorbed Through Skin: No

d. Swallowed: Ingestion may cause severe burning to mouth and stomach and nausea and vomiting.

2. Health Effects or Risks from Exposure:

a. Acute: Inhalation of mist may cause severe irritation or burns of the respiratory system, pulmonary edema, or lung inflammation. Liquid may cause burns to skin and eyes. Liquid may cause permanent eye damage. Ingestion may cause severe burning to mouth and stomach. Ingestion may cause nausea and vomiting.

b. Chronic: None identified

3. First Aid: Emergency Procedures

a. Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Call physician.

b. Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

c. Inhaled: If solution mist is inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

d. Swallowed: If swallowed, do not induce vomiting. If conscious, give large amounts of water. Follow with diluted vinegar, fruit juice or whites of eggs, beaten with water. Call physician.

4. Suspected Cancer Agent?

No: This product's ingredients are not found in the lists below.

Yes: Federal OSHA NTP IARC CAL/OSHA

5. Medical Conditions Aggravated by Exposure: None identified

***** VI. Reactivity Data *****

1. Stability: Stable

2. Incompatibility (Materials to Avoid): Strong concentrated acids, most common metals, organic materials, zinc, aluminum, magnesium, halogenated hydrocarbons.

3. Hazardous Decomposition Products (Including Combustion Products): None

4. Hazardous Polymerization: Will not occur

5. Conditions to Avoid: None

***** VII. Spill, Leak and Disposal Procedures *****

1. Spill Response Procedures (Including Employee Protection Measures): Avoid breathing product mist. Avoid skin and eye contact. Flush area with flooding amounts of water.

2. Preparing Wastes for Disposal: Dispose all waste in accordance with Federal, State and Local regulations.

***** VIII. Special Handling Information *****

1. Ventilation and Engineering Controls: General dilution ventilation should be adequate when product is used as intended.

2. Respiratory Protection: None needed when product is used as intended.

3. Eye Protection: Safety glasses

4. Gloves: Rubber gloves

5. Other Clothing and Equipment: None necessary

6. Work Practices, Hygienic Practices: Avoid skin and eye contact. Wash hands after use.

7. Other Handling and Storage Requirement: Keep container tightly closed. Store in corrosion proof area. Isolate from incompatible materials.

8. Protective Measures During Maintenance of Contaminated Equipment: None

***** IX. Labeling *****

Hazardous Material Identification System (HMIS)

Solution #3B HMIS Ratings:

Health=2 Flammability=0 Reactivity=0 Personal Protection=C

HMIS Ratings:

0=Minimal Hazard

1=Slight Hazard

2=Moderate Hazard

3=Serious Hazard

4=Severe Hazard

Disclaimer of Express and Implied Warranties:

The foregoing data has been compiled from sources that the company, in good faith, believes to be dependable and accurate while being reliable to our best knowledge and belief. Unfortunately, the company cannot, and will not, make warranties or responsibilities regarding the accuracy or completeness of the data, and assumes no liability for damages relating thereto or for advising the reader regarding the protection of employees or others. Users should consider making their own responsible tests to determine the application of this data regarding its suitable specific use.