

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Millipore Corporation

80 Ashby Road

Bedford MA 01730

Information: 978-715-1335

CHEMTREC Emergency Telephone Numbers:

United States: 800-424-9300

International: 703-527-3887 (collect)

PRODUCT: ABI Plate Cleaning Solution

Product Number: A component of LSKZPMS96.

AMSDS Number: **M102449**

Issue Date: March 10, 2003

Rev. Date: November 3, 2008

Revision: **A**

SUBSTANCE IDENTIFICATION

SUBSTANCE: A proprietary mixture contains no health hazard chemicals at a concentrations of 1.0% or greater, or any carcinogenic chemicals at concentrations of 0.1% or greater.

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS No.	EINECS No.	Percent by Wt.
Sodium Hydroxide, Water	1310-73-2, 7732-18-5	215-185-5, 231-791-2	<0.1 >99.9

SECTION 3 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance: Colorless Liquid

Major Health Hazards: WARNING! Harmful if swallowed, may cause irritation to skin, eyes, respiratory tract and gastrointestinal tract.

Physical Hazards: May be corrosive to materials of construction..

Health Effects

Route of Entry Potential Health Effects and Symptoms of Exposure

Skin: Can be corrosive to skin. May cause irritation. Prolonged contact can dehydrate and remove oils from skin.

Eyes: Corrosive! May cause irritation of eyes, and with greater exposures, severe burns with the possibly of blindness.

Ingestion Corrosive. Swallowing may cause burns of the mouth, throat and stomach.

Inhalation: Mist may be an irritant to the respiratory tract.

Target organs: None known

Medical Conditions Aggravated by Exposure: Persons with pre-existing skin disorders may be susceptible to this solution.

SECTION 4 - FIRST AID

Ingestion: DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

First Aid (continued)

Skin: Remove contaminated clothing, jewelry, and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). For burns, cover affected area securely with sterile, dry, loose fitting dressing. Get medical attention immediately.

Inhalation: Remove exposed person to fresh air immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed. Keep warm and at rest. Get medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Extinguishing Media: Use media suitable for extinguishing surrounding fire.

Flash point: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills and Leaks: Do not touch spilled material. Neutralize with commercially available caustic neutralizer. If neutralizer is not available, absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

SECTION 7- HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Wash hands before eating. Avoid contact with eyes. Keep container tightly closed. Use with adequate ventilation.

Storage: Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8 - PERSONAL PROTECTION AND EXPOSURE CONTROL

Ventilation: General ventilation should be adequate for the quantities found in this kit. If handling conditions are such that applicable exposure limits are exceeded, provide local exhaust ventilation.

Personal Protection: Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Wear appropriate chemical resistant, impervious gloves and protective clothing to prevent skin contact

Respirator Use: Respirator use is typically not required. If mists can not be effectively controlled, wear a particulate filter approved under 42 CFR Part 84.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Colorless solution
Specific Gravity	1.001
Odor	Faint, irritating
Odor threshold	Not available
Water solubility:	soluble
pH	11.0 12.4
Melting Point	Not Available
Boiling Point	Not Available
Vapor Pressure	Essentially that of water
Vapor Density	Essentially that of water
Volatility	>99%
Evaporation Rate	Essentially that of water
Coefficient of water/oil distribution:	Not available

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable at normal temperatures and pressure.
Hazardous Polymerization	Will not occur.
Conditions to Avoid.	Heat, and incompatible materials.
Incompatible with:	Acids, aluminum, tin and zinc metals
Hazardous Decomposition Products:	No hazardous decomposition products are known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity: Components are not listed as carcinogenic by IARC, NIOSH, NTP, or OSHA.

Acute Effects: Corrosive: inhalation, skin, eye, ingestion

<u>Exposure Limits:</u>		
INGREDIENT	OSHA PEL	ACGIH TLV
Sodium Hydroxide	2 mg/m3 Ceiling	2 mg/m3 Ceiling

<u>Toxicology Data</u>	
No toxicological data is available for this product as an entity.	
<u>Selected RTECS data for components</u>	
Sodium Hydroxide	RETECS: WB4900000
LD ₅₀ : Oral, rabbit:	500 mg/kg
Standard Draize test, Eye, rabbit	1% solution Reaction: Severe

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:
Fish: Carp: The 24 hour 100% lethal concentration in water, (LC₁₀₀)₂₄ is 180 ppm.

SECTION 13- DISPOSAL INFORMATION

This solution, under conditions that cause the pH to increase, may exhibit the EPA characteristic of Corrosivity, D002. Wastes should be disposed of in a manner consistent with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

This product is not regulated by USDOT, ICAO/IATA, ADR or IMO as a hazardous material or dangerous goods.

SECTION 15 - REGULATORY INFORMATION

United States: The components of this solution are listed on the Toxic Substances Control Act (TSCA) Chemical Inventory. See regulations in 40 CFR 710 for details.

California: California No significant Risk Level: None of the chemicals in this product are listed

European Union:

European Labeling in Accordance with EC Directives:

Hazard Symbols:	None Applicable
Risk Phrases:	None Applicable
Safety Phrases: S 7 S 24/25	Keep container tightly closed. Avoid contact with skin and eyes.

Canada: This product has a WHMIS classification of **E**.

SECTION 16- ADDITIONAL INFORMATION

The chemical, physical and toxicological properties of this product have not been thoroughly investigated.

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