

**MATERIAL SAFETY DATA SHEET**

**SECTION I. IDENTIFICATION OF PRODUCT**

Name: KEM LITE AP  
Identity: All Purpose Alkaline Pressure      MSDS Number: 0041      Date: 11/18/2004      Supersedes: 8/3/2004  
TOXICITY: 1      FIRE: 0      REACTIVITY: 0      PROTECTION: B

**SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Name	CAS Number	PEL	TLV	%
2-Butoxyethanol	111-76-2	25ppm skin	25ppm skin	5
Sodium Metasilicate	6834-92-0	NE	NE	<5

**SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: 212° F	Specific Gravity: 1.068 ± 0.005	Vapor Pressure (mm Hg.): ND	Melting Point: ND
Vapor Density (Air = 1): 1	Evaporation (H2O = 1):1	Water Solubility: Complete	pH @ 77°F: 13.0 ± 0.5
			VOCgm/L: 44

Appearance and Odor: Clear yellow-green liquid, Cucumber odor

**SECTION IV. FIRE AND EXPLOSION HAZARD DATA**

Flash Point (TCC): None	% LEL: ND	% UEL: ND	Flammable Limits: ND
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Extinguishing Media: Water fog, foam, carbon dioxide. Cool containers exposed to flames with water from side.

Special Fire Fighting Procedures: Prevent breathing vapors. Wear SCBA and protective clothing.

Unusual Fire and Explosion: None known

**SECTION V. HEALTH HAZARD DATA**

Route(s) of Entry: INHALATION? Yes    EYES? Yes    SKIN? Yes    INGESTION? Yes

**(Acute) Health Hazards:**

Eyes: May cause irritation, redness, pain

Skin: Causes skin irritation. Prolonged/repeated contact may cause itching and local redness.

Ingestion: May cause headache, nausea, vomiting and abdominal distress

Inhalation: May cause irritation of upper respiratory tract

(Chronic) Health Hazards: Prolonged or repeated skin contact may cause skin irritation. This product is not listed as or anticipated to be a potential carcinogen by NTP or OSHA.

**Signs and Symptoms of Exposure:**

Eyes: Redness, irritation, blurry vision

Skin: May cause irritant reaction on prolonged contact

Ingestion: Abdominal discomfort, nausea, vomiting & diarrhea.

Inhalation: Occasional mild irritation effects to nose and throat may occur.

Medical Conditions Generally Aggravated by Exposure: Pre-existing contact site disorders of the skin, liver, kidney.  
Excessive exposure may cause hemolysis.

**Emergency First Aid Procedures:**

Eyes: Immediately flush eyes with large amounts of water for about 15 minutes. Hold eyelids apart during the flushing to ensure thorough rinsing.

Skin: Immediately flush all affected areas with large amount of running water for at least 15 minutes. Remove and discard contaminated clothing and shoes. Get medical attention.

Ingestion: Do not induce vomiting. If conscious, give large quantity of water. Do not give anything by mouth to an unconscious person. Obtain medical attention.

Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.

## SECTION VI. TOXICITY DATA

Carcinogenicity: NTP? No IARC No OSHA REGULATED? No

## SECTION VII. REACTIVITY DATA

Stability: Stable Hazardous Polymerization Will Not Occur

Incompatibility (Materials to Avoid): Strong acids, alkali, oxidizers

Hazardous Decomposition Byproducts: Carbon Dioxide and Carbon Monoxide

## SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Small Spills: Mop up. Slippery on floor.

Large Spills: Contain with dikes and transfer into appropriate containers for reclamation or disposal.

Disposal: Meet Federal, State & Local Requirements

Handling and Storage: Store in cool, dry well ventilated area. Keep container tightly closed when not in use.

Other Precautions: Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

## SECTION IX. CONTROL MEASURES

Respiratory Protection: NIOSH approved, air purifying

Ventilation: Sufficient to keep PEL from being exceeded

Local Exhaust: Recommended if generating mist or vapors

Mechanical (General): If needed to maintain levels below PEL

Protective Gloves: Rubber, vinyl

Eye Protection: Chemical safety goggles

Other Protective Clothing or Equipment: Long pants, sleeves, apron

Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

## SECTION X. DOT INFORMATION

NOT REGULATED

## SECTION XI. MISCELLANEOUS INFORMATION

SARA 313: 2-butoxyethanol

Notice: All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA - Not Available

NE - Not Established

ND - Not Determined