



DIVISION OF SHERWOOD MEDICAL

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Lab

MATERIAL SAFETY DATA SHEET

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DATE OF ISSUE: 12/20/85

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APPROVED BY: *J. J. J.*

SECTION I: PRODUCT IDENTIFICATION

PRODUCT LABEL NAME: 40% Potassium Hydroxide

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL NAME	COMMON NAMES	% IN PRODUCT	CAS #
45% Potassium Hydroxide	Same	89%	1310583
Distilled Water	Same	11%	N/A

SECTION III: PRECAUTIONS FOR HANDLING AND USE OF THE PRODUCT

A. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Flush the contaminated area with copious amounts of water. Absorb diluted spills with rags or other absorbing materials.

Waste Disposal Method:

Dispose of in accordance with Federal, State and Local Regulations.

B. SPECIAL PROTECTION INFORMATION

Respiratory Protection: (Specify type) NONE

Ventilation: Local Exhaust _____ Mechanical _____ NONE

Other Protective Equipment: Gloves X Eyes X Other _____

C. SPECIAL PRECAUTIONS

Recommended Storage Conditions:

Store at room temperature (15-30C)

a = no applicable information found

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SECTION IV: HAZARDOUS INGREDIENT INFORMATION

HAZARDOUS INGREDIENT: Potassium Hydroxide 45%DOT CLASSIFICATION: Corrosive material CAS: 1310583

A. PHYSICAL/CHEMICAL DATA

Molecular Formula: KOH Molecular Weight: 56
 Boiling Point: NAIF Melting Point: NAIF
 Vapor Pressure (mm Hg): NAIF Volatile by Volume (%): 55%
 Vapor Density (air = 1): NAIF Evaporation Rate (b = 1): > 1
 Solubility in Water: complete Specific Gravity (H₂O = 1): 1.46
 Appearance: Colorless liquid b = ether

B. FIRE AND EXPLOSION HAZARD DATA

Flash Point (° F): NAIF Method Used: NAIF
 Flammable Limits: Lower NAIF Upper NAIF
 Extinguishing Media: NAIF
 Special Fire Fighting Procedures: NAIF
 Unusual Fire and Explosion Hazards: NAIF

C. REACTIVITY DATA

Stability: Stable X Unstable Conditions to Avoid: NAIF
 Incompatibility (Materials to Avoid): NAIF
 Hazardous Polymerization: May Occur Will Not Occur X
 Hazardous Decomposition Products and Conditions: NAIF

D. HEALTH HAZARD DATA

CARCINOGEN: Yes No X Potential
 Source: NTP Annual Report IARC Monographs OSHA
 Other (Specify) NIOSH

Threshold Limit Value or Permissible Exposure Level:

TLV/TWA = 2mg/m³ PEL = vendor MSDS
 Source: OSHA ACGIH Other (Specify)

Effects of Exposure: Causes severe burns to skin and eyes. May be fatal if swallowed.Primary Route(s) of Entry: Skin, inhalation, ingestion, eyes

Toxicity Data:

Emergency/First Aid Procedures: Skin & Eyes: immediately flush with water for at least 15 minutes. Ingestion: Do not induce vomiting; give several glasses of water or milk. Consult a physician.

a = no applicable information found.