MSDS

Potassium Hydroxide (KOH) 5-20%

Section 1: Identification

Product Name: Potassium Hydroxide Solution - 5-20%
Product Catalog No: 1815, 400498, 400504, 400510, 400511, 400520, 400530, 400534, 400535 and 400536
Emergency Phone at Infotrac: (800) 535-5053
Date Prepared: 07/22/02

Section 2: Composition

Hazardous Component(s):	CAS Number	OSHA PEL, ACGIH TLV/STEL (PPM)	NFPA	
			Health	3
Potassium Hydroxide 5-20%	1310-58-3	NR	Flammability	0
			Reactivity	0

Section 3: Physical Data

Boiling Point:	~ 212 ^{0}F	*Specific Gravity (H_20 = 1):*	~1.1
Vapor Pressure mm Hg/20^{0}C:	NR	*Percent Volatile by Vol:*	Minimal
Vapor Density (Air 1:1)	NR	*Evaporation Rate (ether = 1):*	<1
Solubility in H20:	Complete	*Appearance & Odor:*	Clear liquid, odorless

Section 4: Fire and Explosion Hazard

Flash Point: NA *Flammable Limits:* LEL: NA UEL: NA

Extinguishing Media: Water spray, dry chemical, CO_2 and foam

Special Firefighting Procedures: Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream

Unusual Fire & Explosion Hazards: None known

Section 5: Reactivity

Stability: Stable *Material to Avoid:* Strong acids, etc.

Hazardous Decomposition or Byproducts: Oxides of carbon

Hazardous Polymerization: Does not occur *Conditions to Avoid:* Excessive heat

Section 6: Health Hazards

NOTE: Product is offered in liquid form is not expected to present unusual health hazards when following Good Laboratory Practices. Product is corrosive.

Routes of Entry: Inhalation, skin and ingestion *Acute:* Vapors will cause eye, skin and respiratory irritation or burning

Chronic: May cause burning to eyes, skin and intestinal tract, gastrointestinal disturbances, convulsions, circulatory problems, respiratory system and damage to kidneys.

Carcinogenicity: Not classified as a human carcinogen *Signs/Symptoms of Exposure:* Skin, and respiratory irritation

For Technical Service Call 800-638-2625

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Section 6: Health Hazards cont'd

Emergency First Aid:

Skin: Remove contaminated clothing and wash affected area with soap and water.

Eyes: Thoroughly flush eyes with water. Contact a physician if irritation persists.

Ingestion: Rinse mouth thoroughly with water provided person is conscious. Contact a physician.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration and contact a physician.

Section 7: Safe Handling

Chemical Release or Spill: Isolate the spill area with sand or other absorbent material. Place all contaminated material in closed container for proper disposal. Neutralize with dilute acetic acid.

Waste Disposal Method: All liquid and/or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

Precautions for Handling and Storage: Use normal precautions for corrosive liquids. Avoid excessive heat.

Section 8: Control Measures

Respiratory Protection: Not normally required if used in a ventilated area.

Ventilation: In ventilated areas, mechanical or general exhaust is sufficient.

Protective Gloves: Chemical resistant. *Eye Protection:* Safety glasses.

Other Protective Clothing or Equipment: Normal laboratory apparel suggested by Good Laboratory Practices.

Work/Hygienic Practices: Wash thoroughly with soap and water after handling.

The information listed here is believed to be correct and does not purport to be all-inclusive and shall be used only as a guide. HealthLink shall not be held liable for any damage resulting from handling or contact with this product.

HealthLink
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