

MSDS

Potassium Hydroxide (KOH) 10-20% w/DMSO

Section 1: Identification

Product Name: KOH Solution - 10-20% with DMSO
Product Catalog No: 400521, 400526

Emergency Phone at Infotrac: (800) 535-5053
Date Prepared: 07/24/02

Section 2: Composition

Hazardous Component(s)	CAS Number	OSHA PEL, ACGIH TLV/STEL (PPM)	NFPA
Potassium Hydroxide 10-20%	* 1310-58-3	NR	Health 3 Flammability 0 Reactivity 0

Section 3: Physical Data

<i>Boiling Point:</i>	~ 212 °F	<i>Specific Gravity (H₂O = 1):</i>	~1.1
<i>Vapor Pressure mm Hg/20°C:</i>	NR	<i>Percent Volatile by Vol:</i>	Minimal
<i>Vapor Density (Air 1:1)</i>	NR	<i>Evaporation Rate (ether = 1):</i>	<1
<i>Solubility in H₂O:</i>	Complete	<i>Appearance & Odor:</i>	Clear liquid, odorless

Section 4: Fire and Explosion Hazard

Flash Point: NA *Flammable Limits:* LEL: NA UEL: NA
Extinguishing Media: Water spray, dry chemical, CO₂ 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
3611 St. Johns Bluff Rd. So. Ste. 1
Jacksonville, FL 32224**

For Technical Service Call 800-638-2625