

# MATERIAL SAFETY DATA SHEET

## POTASSIUM HYDROXIDE 10% & 20%

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**Product/Chemical Name:** POTASSIUM HYDROXIDE 10% & 20%

**Formula:** KOH

**Physical Description:** Clear colorless, odorless liquid

**Special Hazards:** Self-contained breathing apparatus is required.

**Unusual Fire/Explosion Hazards:** None

**Reactivity:** Reacts exothermically with water. It generates considerable heat and forms corrosive fumes.

**Hazardous Decomposition Products:** Thermal or chemical decomposition may release toxic fumes of potassium oxide which can react with water or steam to produce heat and flammable hydrogen.

### Spill or Leak Procedures

**Action:** Do not touch spilled material. Take up with absorbent material and place into disposal container.

**Disposal Method:** To be performed in compliance with all current local, state & Federal Regulations.

**Threshold Limit Value:** 2 MG/M<sup>3</sup> ACGIH Ceiling.

**Overexposure Effects:** 50 mg/ 24 hours severe skin irritation. In the concentration of 10% to 20% it is a severe eye irritant likely to result in severe corneal damage and blindness.

**Potential Carcinogen:** Not known

### First Aid Procedures

**Skin:** Remove contaminated clothing. Wash with soap and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention.

**Eyes:** Check for and remove any contact lenses. Wash eyes immediately with large amounts of water, occasionally lifting upper and lower eyelids, until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

**Ingestion:** Check for and remove any dentures. Dilute the alkali by giving water or milk immediately and allow vomiting to occur. Examine victim for possible corrosive injury to mouth and throat and irrigate affected areas with 1% acetic acid until alkali is completely neutralized. Do not use gastric lavage or emesis. Get medical attention immediately.

**Inhalation:** Remove from exposure area. If breathing has stopped perform CPR. Get medical attention immediately.

**Storage Recommendations:** Store at room temperature.

### Special Protection Information

Protective gloves and safety glasses or shield is required.

### Special Handling Precautions

Careful not to splash any on skin or in eyes.