



Tech

Technical Data

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POTASSIUM HYDROXIDE

GENERAL DESCRIPTION:

Potassium Hydroxide, also known as caustic potash or KOH, is a colorless liquid that is a typical strong base. Potash has many industrial and niche applications, most involving the exploitation to acid reaction.

APPLICATIONS:

- ◆ Precursor to other potassium compounds
- ◆ Biodiesel manufacturing
- ◆ Soft soap manufacturing
- ◆ Electrolyte purposes

PHYSICAL PROPERTIES:

- ◆ Appearance: colorless liquid
- ◆ Odor: none
- ◆ Solubility: soluble in alcohol and glycerol
- ◆ Melting point: 406°C

HANDLING & STORAGE:

Handling: Use caution when combining with water; DO NOT add water to caustic; ALWAYS add caustic to water while stirring to minimize heat generation. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe mist or vapor. Use only with adequate ventilation. Wear appropriate personal protective equipment. Transfer and storage systems should be compatible and corrosion resistant. Observe good industrial hygiene practices.

Storage: Keep container tightly closed. Store in a cool, dry, well-ventilated place. Store in corrosive resistant container with a resistant inner liner. Store away from incompatible materials (See Section 10). Store at temperatures not exceeding 40°C/104°F. Compatible storage materials may include, but not be limited to, the following: nickel and nickel alloys, steel, plastics, plastic or rubber-lined steel, FRP, or Derakane vinyl ester resin. Do not allow material to freeze.

[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)