



SODIUM HYDROXIDE
<p><u>HAZARDS IDENTIFICATION</u></p> <p>-Potential health effects:</p> <p>-Osha hazards: corrosive</p> <p>-Potential health effects:</p> <p>Inhalation: harmful if inhaled. Can irritate lungs, higher exposures cause a build-up of fluid in the lungs. Can lead to permanent lung damage.</p> <p>Skin: material is highly corrosive. Causes skin burns.</p> <p>Eyes: causes severe eye burns.</p> <p>Ingestion: extremely harmful if swallowed.</p> <p>-Pictogram:</p> <div></div>
<p><u>ACCIDENTAL RELEASE MEASURES</u></p> <ul style="list-style-type: none">• Evacuate personnel and secure location• Eliminate ignition sources• Absorb liquids in sand and store in sealed containers• Collect solid materials and store in sealed containers• Do not use water to clean up• Do not wash into sewer.
<p><u>HANDLING AND STORAGE</u></p> <p>-Precautions for safe handling:</p> <p>Avoid contact with skin and eyes.</p> <p>Avoid inhalation.</p> <p>-Conditions for safe storage:</p> <p>Keep container tightly closed in a dry and well-ventilated place, away from ignition sources.</p>
<p><u>MORE INFORMATION:</u></p> <p>Molecular formula: NaOH</p> <p>Molar mass: 39.9971 g mol⁻¹</p> <p>Appearance: White, waxy, opaque crystals</p> <p>Odor: odorless</p> <p>Density 2.13 g/cm³</p> <p>Melting point 318 °C (604 °F; 591 K)</p> <p>Boiling point 1,388 °C (2,530 °F; 1,661 K)</p> <p>Solubility in water: 111 g/100 mL (20 °C)</p> <p>Solubility in methanol: 23.8 g/100 mL</p> <p>Solubility in ethanol: <<13.9 g/100 mL</p> <p>Vapor pressure: <2.4 kPa (at 20 °C)</p> <p>Acidity (pK_a:) 13</p> <p>Refractive index (nD): 1.3576</p>