Summary Technical Data Sheet

Caustic Potash 45% Soln.

Product Name: Caustic Potash 45% Soln.

Synonyms: Potassium hydroxide solution, Caustic potash liquid 45%

Appearance: clear colorless liquid

Odor: odorless

Melting point: 361 °C

Solubility: miscible with water (100%)

pH: >14

Product Specifications

Properties	Specifications
Total Alkalinity as KOH (wt.%)	45.00 – 46.00 %
Total Alkalinity as K_2O (wt.%)	≥ 37.75 %
Potassium Carbonate as K_2CO_3	≤ 0.20 %
Sodium as Na	≤ 0.25 %
Sodium as NaOH	≤ 0.43 %
Potassium Chloride as KCl	≤ 50 ppm
Potassium Chlorate as $KClO_3$	≤ 10 ppm
Potassium Sulfate as KSO_4	≤ 30 ppm
Iron as Fe	≤ 2 ppm
Nickel as Ni	≤ 2 ppm
Lead as Pb	≤ 0.90 ppm
Mercury as Hg	≤ 0.045 ppm
Ni	≤ 4 ppm

Caustic Potash 45% Soln. is a solution of 45% of Potassium Hydroxide in water. Potassium hydroxide is a strong base with numerous applications in detergents, food production, electroplating, and manufacturing of other potassium compounds.

Caustic Potash is used as a stabilizer, pH adjuster, and thickening agent in foods. Caustic Potash is an important precursor in detergents and soaps and results in improved softness, greater solubility and higher cleaning power compared to sodium hydroxide-derived soaps. Liquid cleaners and drain cleaners can contain 25 % or higher of potassium hydroxide. Caustic Potash acts as an electrolyte in alkaline batteries and in electroplating.

Storage and Handling:	Keep containers tightly closed in a cool, dark, ventilated place.
Packaging:	44 lb **/** 20 kg, 661 lb / 300 kg
Transport Regulations:	UN number: 1814. Class: 8. Packing group: II
	Proper shipping name: Potassium hydroxide, solution

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.
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