



## Potassium Hydroxide Pellets, Reagent ACS

### PRODUCT DATA SHEET

#### CHARACTERISTICS

Potassium Hydroxide Pellets, Reagent ACS are odorless, white, solid hemispheres of uniform diameter and thickness. They are deliquescent and typically contain 10% to 15% water.

#### TYPICAL PROPERTIES

Formula:	Potassium hydroxide	
C.A.S.	1310-58-3 (Potassium hydroxide)	
	Absolute density, g/cm <sup>3</sup>	2.044
	Melting point, °C	360
	Boiling point, °C	1320
	Solubility in water, g/100g H <sub>2</sub> O	96 at 0°C
		119 at 25°C
		178 at 100°C
	Assay, % KOH (Total alkali)	85.0 - 100.5

#### PRODUCT USES

Alkaline, nickel-cadmium & nickel-metal hydride batteries. Fuel cells. Neutralizer and alkalinity control in analytical chemistry. Manufacture of K<sub>2</sub>CO<sub>3</sub> & tetrapotassium pyrophosphate. Absorption of NO<sub>x</sub>, SO<sub>3</sub> and CO<sub>2</sub> in gas streams. Manufacture of high-purity potassium compounds. Etchant in semiconductor wet processing. Photoengraving and lithography. Bleaching textiles & mercerizing cotton

#### SHIPPING CONTAINER

110 lb. fiber drum with poly bag liner

#### SHIPPING REGULATIONS

DOT Classification: Potassium Hydroxide, Solid  
 Hazard Class: 8 DOT ID Number: UN 1813 Packing Group: II  
 RQ: 1000 lbs. (CASRN formula basis)

#### PRODUCT SAFETY INFORMATION

Potassium Hydroxide Pellets, Reagent ACS causes severe burns to the skin, eyes and mucous membranes. Avoid breathing dust and use with adequate ventilation. May be fatal if swallowed. Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the **Material Safety Data Sheets (MSDS)** for these products or you may contact General Chemical Technical Service. In the event of an emergency with these products, call the 24 hour **Emergency Number: USA (CHEMTREC) 800-424-9300** or **Canada (CANUTEC) 613-996-6666**. For additional information contact:

Water Chemicals Group  
 (973) 515-0900  
 (800) 631-8050

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