



## TECHNICAL DATA SHEET

### BARIUM HYDROXIDE OCTAHYDRATE (Barium Compounds, NOS) Hi-Purity

CAS # 12230-71-6      FORMULA:  $\text{BaOH}_2 \cdot 8 \text{H}_2\text{O}$

FORMULA WEIGHT      315.48                      UN #      UN1564

Assay (as $\text{BaOH} \cdot 8 \text{H}_2\text{O}$ )	98 % Min
Carbonate (as $\text{BaCO}_3$ )	2.0% Max
Insoluble in dilute HCL	0.01% Max
Chloride (as Cl)	0.001% Max
Sodium (as Na)	0.01% Max
Calcium (as Ca)	0.05% Max
Heavy Metals (as Pb)	5 ppm Max
Iron (as Fe)	10 ppm Max
Strontium (as Sr)	0.8% Max
Potassium (as K)	0.01% Max

Other grades available upon request as well as material prepared to customer and government specifications. Custom milling, blending, screening and packaging are available at a reasonable cost. All raw materials undergo testing for conformance as well as in-process sampling and final shipping samples. Barium & Chemicals, Inc. has a full-course, in-house laboratory whose staff has expertise in wet chemical analysis as well as AA, IC, ICP, W.S. Tyler Ro-Tap, Fisher Sub-Sieve Sizer, Laser Particle Analysis, pH, titration and moisture analysis.

Special requests may require extra lead time for raw material manufacture and processing. Allow sufficient time when ordering.

USES: Manufacturing of oil and grease additives, barium soaps, and chemicals. Used as an alkalizing agent in water softening, sulfate removal agent in water treatment and brine, boiler scale removal, sulfate-controlling agent in ceramics, purifying agent for caustic soda, steel carbonizing agent, glass, and elastomer vulcanization.

PACKAGE TYPE: Fiber or Plastic drums with polyliner and Kraft bags with poly liner (pallet quantities only)

Packaged for transport by ground, air or ocean transport. Call for packaging options.