

PRODUCT SPECIFICATIONS

Liquid Caustic Soda Sodium Hydroxide – Membrane Grade

NaOH

PRODUCT DESCRIPTION

Hill Brothers Chemical Co. offers Liquid Caustic Soda (NaOH) as 33% and 50% water white solution as well as a variety of cut strength solutions. It should be noted that the “Chemical Properties”, other than appearance, will differ depending upon the supplied strength. The “Typical Analysis” will remain constant for all strengths.

CHEMICAL PROPERTIES @ 60°F

	50%	33%
Appearance	Clear	Clear
Sodium Hydroxide, % by wt.	48.5% - 51.0%	32.5% - 33.5%
Density lbs/gal	12.71 – 12.81	11.31 – 11.40
Specific Gravity	1.525 – 1.535	1.358 – 1.369
Freezing Point	54°F	44°F

TYPICAL ANALYSIS

Chlorides, wt % as NaCl	0.01 max (100 ppm)
Sodium Carbonates, wt % as Na ₂ CO ₃	0.15 max
Chlorates, wt % as NaClO ₃	0.0065 max (65 ppm)
Sulfate, wt % as Na ₂ SO ₄	0.01 max (100 ppm)
Iron, ppm as Fe	5 max

PACKAGING

Tank truck, LTL Mini-Bulk, 675/600-pound drum, 180/165-pound carboy and 6-gallon carboy.

NSF Standard 60

Trade Designation	Maximum Use Level
Liquid Caustic Soda, 25%	200 mg/L
Liquid Caustic Soda, 30%	167 mg/L
Liquid Caustic Soda, 33%	152 mg/L
Liquid Caustic Soda, 50%	100 mg/L



SAFETY & HANDLING

Protective clothing, such as rubber gloves, safety goggles, and rubber safety boots should be worn to protect from possible eye and skin contact. Refer to the Safety Data Sheet (SDS) for more information.

Supply Note: This Product Specification is accurate for material supplied only from Hill Brothers' Phoenix and Tucson, Arizona facilities.

Rev. 3/2021

The information on this Product Profile is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose. For latest product specifications, contact our nearest sales office.

Southern California (800) 438-8515 Northern California (800) 438-8515 Phoenix, Arizona (888) 866-2210 Tucson, Arizona (888) 866-2210 Utah/Pacific Northwest (800) 336-3911



Hill Brothers Chemical Co.
(714) 998-8800
www.hillbrothers.com