

# PRODUCT PROFILE

## LIQUID CAUSTIC SODA SODIUM HYDROXIDE MEMBRANE GRADE

### Description

Hill Brothers Chemical Co. offers Liquid Caustic Soda (NaOH) as a 50% water white solution and in a variety of cut strength solutions including 33%, 30%, and 10%. 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 at 60 degrees Fahrenheit

	<u>50%</u>	<u>33%</u>
Appearance	Clear	Clear
Sodium Hydroxide (NaOH) % 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
Sodium Carbonates, wt% as Na <sub>2</sub> CO <sub>3</sub>	0.1 Max
Chlorates, wt% as NaClO <sub>3</sub>	0.0015 Max
Sulfate, wt % as Na <sub>2</sub> SO <sub>4</sub>	0.006 Max
Iron, ppm as Fe	5 Max

### Packaging

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

### 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 and 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 Material Safety Data Sheet for more information

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

*Rev. 10/11*

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.

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