



# TECHNICAL DATA

VIKING CHEMICAL COMPANY  
1827 Eighteenth Avenue  
Post Office Box 1595  
Rockford, Illinois 61110-0095

Telephone 815 397-0500  
Facsimile 815 397-8865  
E-mail: e-mail@vikingchemical.com

ISO 9001 and 14001 registered

## 50% CAUSTIC SODA LIQUID

### CHEMICAL PROPERTIES

Chemical formula:	NaOH
Molecular weight:	40.00
Sodium Hydroxide, %:	49.00 - 51.00
Sodium Oxide, %:	38.00 - 39.60
Sodium chloride, %:	1.10 maximum
Sodium chlorate, %:	0.35 maximum
Sodium carbonate, %:	0.20 maximum
Sodium sulfate, %:	0.02 maximum
Silicon, %:	0.02 maximum
Aluminum, ppm:	10.00 maximum
Magnesium, ppm:	10.00 maximum
Calcium, ppm:	7.00 maximum
Iron, ppm:	7.00 maximum
Copper, ppm:	1.00 maximum
Manganese, ppm:	1.00 maximum
Nickel, ppm:	1.00 maximum

### PHYSICAL PROPERTIES

Freezing point, °F:	54
Melting point, °F:	55
Boiling point, °F:	288
Specific gravity @ 60/60 °F:	1.530
Vapor pressure:	1.0 mmHg
Percent volatile:	50%
Evaporation rate:	Slower than ether
Solubility in water:	Complete
NSF International maximum use:	100 mg/L
Appearance:	Clear to slightly hazy

DANGER! Can cause severe burns.

Refer to Material Safety Data Sheet before using this product.

August 3, 2009