

TECHNICAL BULLETIN



19 Motivation Dve Wangara, WA, 6065 AUSTRALIA
T +61 8 9302 4000 | FREE 1800 999 196 | F +61 8 9302 5000

CAUSTIC SODA SOLUTIONS LIQUID SODIUM HYDROXIDE

The image shows a detailed product label for Environex International's Caustic Soda 50% solution. The label is primarily blue and white with yellow and black accents. It features a large diamond-shaped hazard symbol with the word 'CORROSIVE' and the number '8'. Text on the label includes: 'UN 1824 SODIUM HYDROXIDE SOLUTION CLASS 8 HAZCHEM 2R PG II', 'POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING', 'CAUSTIC SODA 50%', 'Contains greater than 750g/L Sodium Hydroxide', and 'NET CONTENTS' with checkboxes for 15 L and 200 L. It also includes first aid instructions, safety directions, and emergency information. The Environex International logo is at the bottom left, and a 'MADE IN AUSTRALIA' logo is at the bottom right.

MATERIAL & FUNCTION

LIQUID CAUSTIC SODA is a colorless, odorless liquid. It is usually produced as part of the same process that creates chlorine. Used as a neutralizing agent, **CAUSTIC SODA** is an important component in the petroleum, pulp and paper and alumina industries. **CAUSTIC SODA** is also used in a wide range of chemical processes

PRECAUTIONS:

This product is classified as a Dangerous Good for transport and storage purposes, and is classified by worksafe as hazardous. **Consult the material safety data sheet for details.** In general, protective clothing and eye protection are required. Sodium hydroxide can produce severe burns to skin and permanent eye damage.

PROPERTIES

Appearance: a viscous, odorless, colorless liquid

Specific Gravity: 1.5

Typical Analytical Results: NaOH 48.4 %; Na₂CO₃ 0.2 %; NaCl, 79 mg/kg; Hg <0.005 mg/kg.

% of Solution	10%	25%	30%	33%	36%	50%
Boiling Point(°C):	103	112	117	118	123	142
Specific Gravity @ 20°C:	1.109	1.252	1.328	1.363	1.397	1.525

TECHNICAL BULLETIN



19 Motivation Dve Wangara, WA, 6065 AUSTRALIA
T +61 8 9302 4000 | FREE 1800 999 196 | F +61 8 9302 5000

Freezing Point (°C): -12 -10 2 7 14 12

APPLICATION

Food Industry:

CIP cleaning of vats and tanks. Suitable for tank cleaning in the Dairy Industry. Use approximately 125 mL in 100L. In all cases rinse thoroughly after use. Check final rinsing with pH paper (pH <9). Allow tank to drain after rinsing.

General Cleaning

Industrial Cleaning of floors and machinery from foods and fat deposits. Use 0.1-4.0 % sodium hydroxide (200mL to 8L per 100 L of water). A detergent wash before rinsing will assist in removal of residual alkali and soaps.

– drains. For unblocking grease traps and drains. Use 1L neat for normal household drains (caution – heat, spitting and blowback may occur).

PACKAGING

15L, 20L plastic cube, 110 L PI drum, 200L mauser, 1000L bulki

IMPORTANT NOTICE TO CUSTOMER

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***