

# TECHNICAL BULLETIN



19 Motivation Dve Wangara, WA, 6065 AUSTRALIA  
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## SODIUM HYPOCHLORITE LIQUID CHLORINE

The image shows a detailed product label for Sodium Hypochlorite Liquid Chlorine. The label is primarily blue and white with a yellow border. At the top, it features the 'POISON' hazard symbol and the text 'KEEP OUT OF REACH OF CHILDREN' and 'READ SAFETY DIRECTIONS BEFORE OPENING OR USING'. The product name 'SODIUM HYPOCHLORITE' is prominently displayed in large, bold, yellow letters. Below this, it states 'CONTAINS 125 g/L AVAILABLE CHLORINE present as SODIUM HYPOCHLORITE when packed' and 'HYPOCHLORITE SOLUTION, UN 1791 CLASS 8, HAZCHEM 2X, PG III'. A large black diamond-shaped hazard symbol with the word 'CORROSIVE' and the number '8' is on the right. The label also includes a QR code, a 'Batch No:' field, and 'NET CONTENTS' options for 5L, 20L, 200L, and 1000L. At the bottom, there are four barcode labels with numbers: 11300133, 11300025, 11300024, and 11300023. The Environex International logo is at the bottom center, and contact information is on the left.

### MATERIAL & FUNCTION

**LIQUID CHLORINE** is a specially prepared solution containing 12.5% w/v of available chlorine when packed.

**LIQUID CHLORINE** should be stored in a cool dark place. Accidental splashes of **LIQUID CHLORINE** should be washed off immediately with water. For splashes in the eyes, irrigate with copious supplies of water.

The scope of this Technical Bulletin is to illustrate the more common uses of **LIQUID CHLORINE** with a recommendation of dilution rate and method of use.

#### 1. BLEACHING of sound white clothes

**Dilution:** 15 mls/10 litres

**Method:**

(a) Cold: Immerse washed clothes in **LIQUID CHLORINE** solution and soak for 3 hours, then rinse

(b) Hot: Add the **LIQUID CHLORINE** to the hot wash water with the normal machine cycle using **WHITE-N-BRITE, BLUE BRITE** or **FOREST COLD WASH**.

#### 2. STAIN REMOVAL - such as tea, coffee, fruit, wine, blood and ink - from sound white cotton and linen.

**Dilution:** 15 mls/litre

**Method:** Soak stained portion in **LIQUID CHLORINE** solution for 5 to 15 minutes, then rinse thoroughly.

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**3. CLEANING & DISINFECTING** - tables, cooking boards, whiteboard of every description, linoleum, boarded, tiled and stone floors and steps.

**Dilution:** 8 mls/litre (=1000 ppm available chlorine)

**Method:** Wash down with **LIQUID CHLORINE** solution, leave for a few minutes before rinsing.

**4. GREASY SINKS, BATHS, etc.**

**Dilutions:** 8 mls/litre

**Method:** Wash all over with **LIQUID CHLORINE** solution, soak for 10 minutes, scrub and rinse.

**5. TOILET BOWLS DISINFECTING**

**Dilution:** 150 mls neat

**Method:** Pour over the sides of the bowl last thing at night, allow to stand, then swab and flush in the morning. May be used in septic tank systems.

**6. DISINFECTING** offal refuse tips, drains, gulleys, urinals.

**Dilution:** 8 mls/litre

**Method:** Spray or flush with **LIQUID CHLORINE** solution.

**7. PLANTS** handling foodstuffs and beverages (breweries, soft drinks, ice-cream and fish trades), bottle washing.

**Dilution:** (a) 2.5 mls/litre

(b) 160 mls/100 litre (= 200 ppm)

**Method:** After treatment with **ALL CLEAN** or **FOAM CLEAN**, use solution (a) as a wash. Give final rinse with chlorinated water containing 160mls/100 litres of **LIQUID CHLORINE**.

**8. REMOVING SLIME** from concrete surfaces and mosses and moulds from roofing materials.

**Dilution:** 15 mls/litre

**Method:** Apply **LIQUID CHLORINE** solution and leave to soak, then use stiff brush and hose or swill with water.

## PRECAUTIONS TO BE OBSERVED WHEN USING LIQUID CHLORINE

1. Always use **LIQUID CHLORINE** at the dilutions recommended.

### Dilutions Table

8 mls/litre = approx. 1000 ppm chlorine

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6.5 mls/litre	=	approx.	800 ppm chlorine
2.5 mls/litre	=	approx.	300 ppm chlorine
1.5 mls/litre	=	approx.	200 ppm chlorine
0.1 mls/litre	=	approx.	10 ppm chlorine

2. When making up solutions, always add the **LIQUID CHLORINE** to the water and stir.
3. All utensils used for mixing **LIQUID CHLORINE** should be rinsed with clean water immediately after use. Never allow undiluted **LIQUID CHLORINE** to come into contact with metal.
4. **LIQUID CHLORINE** is a strong bleaching agent and its solutions should not be used on woollens, nylon, coloured goods, drip-dry fabrics, stained or varnished surfaces.
5. For all bleaching operations use **CHLOREX** for natural fibres and **OXY BRITE** for synthetic materials.

## PACKAGING

4x5, 20 & 200 Litre containers.

### 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.***