

# LIQUID CHLORINE

## SODIUM HYPOCHLORITE SOLUTION

**LIQUID CHLORINE** is a disinfectant and high concentration chlorinated liquid sanitizer for food processing industries.

**LIQUID CHLORINE** is authorized as a no-rinse sanitizer when the concentration of free chlorine in its solution does not exceed 200 ppm.

The fact that it does not foam allows **LIQUID CHLORINE** to be used by circulation in milklines and other sanitary stainless steel piping systems.

**DIN 02012243**

## FEATURES AND BENEFITS

- High concentration of sodium hypochlorite
- Easy to handle
- Compatible with alkaline products
- Non-foaming
- Used as a sanitizer containing 200 ppm of free chlorine, it acts quickly and indiscriminately on all types of microorganisms
- Very useful when used as an additive to alkaline products, it improves the capacity to degrade proteins and is used as a bleaching agent



## DIRECTION FOR USE

### Use procedure

### Concentration

### Use temperature

### Dwell time/Operation time

### Mechanical action

### Reuse/recycling

### Soils to be removed

### Use procedure

### Concentration

### Rinsing

### DISINFECTANT AND SANITIZER

Dilute **LIQUID CHLORINE** in cold potable water. Apply to surfaces or circulate in pipelines.

#### DISINFECTANT: SANITIZER:

5 ml per litre  
1250 ppm (0.12%) (1.3 ml/L) of **LIQUID CHLORINE** will give 200 ppm of free chlorine. No rinse needed.

#### SHOCK TREATMENT:

1000 to 2500 ppm of free chlorine (0.6 to 1.6% - 6 to 15 ml / litre of **LIQUID CHLORINE**) Rinse food contact surfaces with potable water.

Below 30°C (86°F).

1 minute minimum.

Ensure that product comes into contact with all surfaces to be sanitized.

Not possible.

### ADDITIVE FOR ALKALINE PRODUCTS

Baked or dried protein based food deposits, low coloured film of unwanted food deposits.

Add **LIQUID CHLORINE** to prepared alkaline solution and according to the instructions of the manufacturer of the alkaline product. Apply according to procedure recommended by same manufacturer.

Between 0.5% and 2.0% (5 ml to 20 ml / Litre) of **LIQUID CHLORINE** is usually enough for desired results.

Rinse with potable water.

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## PHYSICAL PROPERTIES

Appearance	Clear, light yellow liquid
Odour	Chlorine
Specific gravity @ 20°C	1.2
Viscosity	< 10 cps
pH	13
Flash point (TCC)	None
Water solubility	Complete
Auto ignition temperature	None
Available Chlorine	16% w/v
Boiling point	> 100°C
Freezing point	-14°C
Foaming tendency	Non-foaming
Concentration monitoring techniques	Titration
Rinsing	Excellent

## INCOMPATIBILITY

Acids, oxidizing agents, amines, ammonia, nitrites, reducing agents, organic compounds

## WAREHOUSING PRECAUTIONS

Keep containers tightly closed in a dry, cool and well-ventilated place

## AVAILABLE SIZES

	
20L	205L



## IMPORTANT

Before using **LIQUID CHLORINE**, always be sure to read and follow precautions and directions for use appearing on the product's container label, and on the safety data sheet (S.D.S).

## FIRST AID MEASURES

### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

### Skin contact

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

### Ingestion

Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

## PERSONAL PROTECTION



WHMIS



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