

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.

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



DIN 02012243

DIRECTION FOR USE

Use procedure

DISINFECTANT AND SANITIZER

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

Concentration

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.

Use temperature

Below 30°C (86°F).

Dwell time / Operation time

1 minute minimum.

Mechanical action

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

Reuse/recycling

Not possible.

Soils to be removed

ADDITIVE FOR ALKALINE PRODUCTS

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

Use procedure

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.

Concentration

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

Rinsing

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



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