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

DISINFECTANT AND SANITIZER

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

Concentration

DISINFECTANT: 5 ml per litre

SANITIZER: 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.

ADDITIVE FOR ALKALINE PRODUCTS

Soils to be removed
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.

BACK ►

LIQUID CHLORINE SODIUM HYPOCHLORITE SOLUTION

PHYSICAL PROPERTIES

Appearence	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

PAREVE MK 930 — Food and beverage industry accepted — phosphate-FREE

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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