

(Front Panel)

Flochem-12  
Sodium Hypochlorite

COMMERCIAL  
READ THE LABEL BEFORE USING

CHLORINATING LIQUID  
CONTROLS BACTERIA & ALGAE  
In Swimming Pool Waters  
In Recirculating Cooling Water  
Systems and Brewery Pasteurizers

GUARANTEE: Available chlorine present as sodium hypochlorite .... 10.3%

REGISTRATION NUMBER 26126  
PEST CONTROL PRODUCTS ACT

WARNING  
CORROSIVE

NET CONTENTS 20 L, 205 L

**Flochem Ltd. R.R. #7, Guelph, Ontario Canada N1H 6J4**

(Side Panel)

**USES:** For general sanitation, bleaching-use 30 ml of Flochem-12 Sodium Hypochlorite per 5L of water.

**FOR SANITARY SWIMMING & WADING POOL WATER:** Use Flochem-12 Sodium Hypochlorite daily for maintaining sanitary pool water. Also use for SHOCK TREATMENT, and OPENING/CLOSING your pool.

Flochem-12 Sodium Hypochlorite is recommended for all types of pools

Does not damage or clog filters

Effective in hard or soft water

Ready to use – NO PREMIXING

**DIRECTIONS FOR USE:**

**Regular Treatment:** Maintain recommended daily levels as determined by testing kit:

Free Available Chlorine: 1.0 – 3.0 ppm

pH 7.2 – 7.8

Total Alkalinity 100 – 120 ppm

Calcium Hardness: 200 – 300 ppm

1. Before adding Flochem-12 Sodium Hypochlorite, test the pH and adjust to within the 7.2 – 7.8 range. Add acid if pH is high. Add soda ash if pH is low.
2. Chlorinate daily to maintain proper chlorine residual with 250ml of Flochem-12 Sodium Hypochlorite per 10,000 L of pool water, or as needed.

**Note:** Hot weather, heavy pool usage, and rain may require higher dosage rates to maintain proper chlorine residuals.

**Opening New Pool:** Superchlorinate (SHOCK) pool water by adding to the pool 1 L of FLOCHEM-12 Sodium Hypochlorite per 10,000 L of pool water. For best results superchlorinate (SHOCK) at dusk.

**Opening/Closing Pool:** For opening/closing pool, superchlorinate (SHOCK) pool water by adding 3 L of FLOCHEM-12 Sodium Hypochlorite per 10,000 L of pool water. For best results superchlorinate (SHOCK) at dusk.

**Shock Treatment:** Superchlorinate (SHOCK) weekly with 1 L of Flochem-12 SODIUM HYPOCHLORITE per 10,000 L of pool water when average temperature is 25° to 32° C. Otherwise superchlorinate (SHOCK) every other week.

**Algae Control:** For visible algae, superchlorinate (SHOCK) using 2 L of Flochem-12 Sodium Hypochlorite per 10,000 L of pool water. Heavy algae infestation may require dosages up to 3 L per 10,000 L. Vacuum pool when dead algae settles.

**Wading Pools:** Chlorinate daily to maintain a chlorine residual of 3-5 ppm by adding 45ml of Flochem-12 Sodium Hypochlorite per 1,000 L of pool water or as needed.

**Note:** For outdoor pools, chlorine residuals can be protected from destruction by sun's rays by adding a stabilizer (cyanuric acid)

#### **FOR USE IN RECIRCULATING COOLING WATER SYSTEMS AND BREWERY PASTEURIZERS:**

**Note:** This product degrades with age. Use a chlorine test kit and increase dosage as necessary to obtain the required level of available chlorine. For the control of bacteria, algae and fungi, add Flochem-12 Sodium Hypochlorite to the lower basin, distribution box or some other point to insure uniform mixing.

**Initial Dose:** When the system is notably fouled, add 0.06 to 0.12 Kg/1000 L of water in the system to achieve 7.5 to 15.0 mg/L available chlorine by weight. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident apply 0.03 to 0.06 Kg/1000 L of water in the system to achieve 3.25 – 7.50 mg/L available chlorine by weight. Apply treatment weekly or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

**FOR SANITIZING IN FOOD PROCESSING PLANTS:**

Flochem-12 Sodium Hypochlorite can be used to sanitize floors, walls, countertops, and food contact surfaces. Avoid contamination of food products.

**DIRECTIONS FOR USE:** Prepare a 200 ppm available chlorine solution by adding 1.7 ml of Flochem-12 Sodium Hypochlorite to each Litre of water. Wipe the solution onto the surface to be sanitized. At this strength of solution or lower, no rinsing of the surface is required. If a solution that is stronger than 200 ppm available chlorine is prepared, it must remain in contact with the surface for a minimum of three minutes and then be rinsed off with water.

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.**

Dangerous gas formed when mixed with acid. Do not mix with any other chemical. Corrosive – causes eye burn and skin irritation. Avoid contact with eyes, skin, clothing and contamination of food. Avoid breathing vapour or mist. Use with adequate ventilation. Wash thoroughly after handling. Wear goggles or a face shield, chemical resistant gloves, long pants, a long-sleeved shirt, shoes and socks when handling this product. Immediately remove contaminated clothing and wash before reuse. Harmful if swallowed. Keep container tightly capped and store upright in a cool location. Rinse container thoroughly before discarding. Use only as directed.

**TOXICOLOGICAL INFORMATION:** Probable mucosal damage following ingestion may contraindicate the use of gastric lavage.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. The requirements of applicable laws should be determined before using the product.

**FIRST AID:** Contains Sodium Hypochlorite. If splashed in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention or contact a Poison Control Centre. If swallowed, drink one glass of milk or warm water. Do not induce vomiting. Call a physician or Poison Control Centre IMMEDIATELY. Keep patient warm. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**NOTICE TO USER:** This control product is to be used only in accordance with the directions on this label. It is an offense under the *Pest Control Products Act* to use a control product under unsafe conditions.

- DISPOSAL:** 1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
  4. Dispose of the container in accordance with provincial requirements.
  5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

Store upright in a cool dark place.  
Product not affected by freezing.

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