

2023-5406

2024-05-14

This label has been updated according to the re-evaluation decision of Sodium Hypochlorite RVD2023-14. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 29-08-2025 in accordance with the phase out period set out in RVD2023-14. This previously approved label will be provided upon request by emailing [hc.ppra.info-arla.sc@canada.ca](mailto:hc.ppra.info-arla.sc@canada.ca). In your email please include the product name and Registration number of the label you are requesting.

2023-5406  
2024-05-14

**CHEM EXPERTS  
KRYSTAL 12  
SODIUM HYPOCHLORITE  
SOLUTION**

FOR USE IN INDUSTRIAL, INSTITUTIONAL, SWIMMING POOL, INDUSTRIAL  
RECIRCULATING COOLING WATER SYSTEMS, FOR MUNICIPAL WATER, TREATMENT OF  
SEWAGE AND INDUSTRIAL EFFLUENT AND FOR SANITIZATION

**REMOVES STAINS AND DEODORIZES!**

ACTIVE INGREDIENT: Available chlorine present as Sodium Hypochlorite.....10.3%  
COMMERCIAL GRADE  
REGISTRATION NO.: 32870  
PEST CONTROL PRODUCTS ACT

DANGER – CORROSIVE TO EYES AND SKIN

NET CONTENTS 3 L to 1000 L

PACKAGED BY:  
RBF INTERNATIONAL LTÉE / LTD  
780, RUE NOBEL  
ST-JÉRÔME (QUÉBEC) J7Z 7A3  
450 438-4416  
[www.rbfinternational.com](http://www.rbfinternational.com)

KEEP OUT OF REACH OF CHILDREN  
READ THE LABEL BEFORE USING

2023-5406

2024-05-14

## **DIRECTIONS FOR USE**

### **SWIMMING POOLS :**

1. 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
2. Initially super-chlorinate pool water by adding to the pool 1 L of **KRYSTAL 12** per 10,000 L of pool water. For best results super-chlorinate at dusk.
3. Chlorinate daily to maintain proper chlorine residual with 250 mL of **KRYSTAL 12** per 10,000 L of pool water, or as needed.  
**NOTE:** Hot weather, heavy pool usage, and rain may require higher usage rates to maintain proper chlorine residuals.
4. Super-chlorinate weekly with 1 L of **KRYSTAL 12** per 10,000 L of pool water when average daily temperature is 25°C - 32°C. Otherwise, super-chlorinate every other week.
5. For visible algae, super-chlorinate using 2 L of **KRYSTAL 12** 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 settle.
6. For wading pools, chlorinate daily to maintain a chlorine residual of 3-5 ppm by adding 45 mL of **KRYSTAL 12** 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 addition of stabilizer (cyanuric acid).

**LAUNDRY:** Dilute 40 to 50 mL of **KRYSTAL 12** in 1 L of water and pour in your wash water before adding laundry. Safe for Nylon, Orlon, Terylene and for all fast colours. Do not use on wool, silk, un-fast colours, leather or silverware.

**DIFFERENT USES:** Do not use on surfaces that may be in contact with food. Removes stains and deodorizes: toilet bowls, baths, garbage cans, patient rooms, linoleum, woodwork, tiles, and sinks,

### **FOR USE IN RECIRCULATING COOLING WATER SYSTEMS:**

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 this product to the lower basin, distribution box or some other point to ensure uniform mixing. INITIAL DOSE: When the system is notably fouled, add 60 to 120 g/1,000 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 30 to 60 g/1,000 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. Note: The water in the systems treated with this product must not come into direct contact with food or beverage. Residual chemicals from the product on the exterior of the cans, bottles or other containers are effectively removed by potable water wash at the discharge end.

### **FOR SPECIFIC USES IN MUNICIPAL WATER TREATMENT OF SEWAGE AND INDUSTRIAL EFFLUENT:**

2023-5406

2024-05-14

### Directions for Use

1. **KRYSTAL 12** is only to be used in automatic feeding devices designed for wastewater sanitation.
2. Fill and adjust feeding device according to manufacturer's recommendations and monitor chlorine residual/coliform level as required by applicable regulatory agency.
3. On the average, satisfactory disinfection of wastewater effluent can be obtained when the chlorine residual is 0.5 ppm after 15 minutes contact. Although the chlorine residual is the critical factor in disinfection, the importance of correlating chlorine residual with bacteria kill must be emphasized. **PRECAUTION STATEMENTS** : CORROSIVE to the eye. DO NOT get in eyes. Corrosive to the skin. DO NOT get on skin. Harmful if swallowed or inhaled. Avoid breathing vapour and sprays. Wear long-sleeved shirt, long pants, chemical-resistant gloves, protective eyewear (goggles or face shield), socks and shoes when handling this product. **DANGER**. KEEP OUT OF REACH OF CHILDREN. Dangerous gas formed when mixed with acid. Do not mix with any other chemical. DO NOT get on clothing. May be fatal if swallowed. Do not re-enter treated area until two hours after spray or fogging application. Immediately remove contaminated clothing and wash before reuse. Avoid breathing vapour or mist; use with adequate ventilation. Wash thoroughly after handling. Avoid contamination of food. Keep container closed and store in upright position in a cool dark location. Product not affected by freezing.

**FIRST AID: If in eyes**, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. **If swallowed**, call a poison control centre or doctor IMMEDIATELY for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. **If on skin or clothing**, take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice. **If inhaled**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**TOXICOLOGICAL INFORMATION:** Probable mucosal damage may contraindicate the use of gastric lavage. Treat symptomatically.

### ENVIRONMENTAL PRECAUTIONARY STATEMENT :

Toxic to aquatic organisms. This registration is granted under the Pest Control Products Act and does not exempt the user from any other legislative requirements. Use of this product and management of any resulting discharge or release of effluents containing this product must also be in accordance with the Fisheries Act and with any other applicable federal or provincial legislation.

Consult with provincial regulatory authorities on any authorizations or other requirements for use of this product and management of any resulting discharge or release of effluents containing this product.

2023-5406

2024-05-14

**STORAGE:**

Store this product away from food or feed.

**DISPOSAL:**

1. Triple or pressure rinse the empty container. Add the rinsing to the treatment site.
2. Follow provincial instructions 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 the 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 the clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.