

### Water treatment line

TECHNICAL DATA SHEET N ° 1001

## BIOCHLOR

### Medical and Surgical. Registration of the Ministry of Health n.19916

BIOCHLOR ® STARTED BPR REGISTRATION PROCESS: CASE NUMBERS BC -SX045074-08 F3\_PT5 AND BC -MT045110-34 F6\_PT2\_PT4

#### **PROPERTIES:**

CONCENTRATED DISINFECTANT SOLUTION TITRATED IN FREE CHLORINE FOR DISINFECTION FROM GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA, INCLUDING LEGIONELLA SPP. OF SANITARY WATER CIRCUITS, COOLING TOWERS AND FOOD INDUSTRY, ANIMAL FEED INDUSTRY AND AGRICULTURE LIVESTOCK.

#### **FIELD OF USE**

- DISINFECTION OF SURFACES AND PIPES OF DOMESTIC HOT WATER CIRCUITS AND COOLING TOWERS FOR THE CONTAMINATION CONTROL AGAINST GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA INCLUDING LEGIONELLA SPP.
- DISINFECTION OF SURFACES AND WATER SYSTEM PIPES USED IN PRODUCTION, DISTRIBUTION, TRANSPORTATION, STORAGE AND CONSUMPTION OF FOOD, FEED AND DRINKS FOR THE CONTAMINATION CONTROL AGAINST GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA INCLUDING LEGIONELLA SPP.
- CHLORINE COVERAGE OF DOMESTIC HOT WATER CIRCUITS AND COOLING TOWERS.

#### **USE AND DOSING:**

DISINFECTING SURFACES, TANKS, HOT WATER PIPES AND COOLING TOWERS FOR CONTAMINATION CONTROL AGAINST GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIAS, INCLUDING LEGIONELLA SPP.

Dose the product by special dispenser at a rate of 33.5 liters for cubic meter of water (equal to 1.000 ppm of free chlorine).

Proceed to the distribution of created solution in the storage tanks and in the plants, in the sanitary circuit by the activation of recirculation system and / or flushing through the dispensers (taps, showers).

Leave for reaction effect for at least 15 minutes, therefore provide the rinsing with plenty of drinking water until the elimination of disinfectant residuals (free chlorine residual <0.2 ppm).

DISINFECTION OF HOT WATER CIRCUITS AND COOLING TOWERS FOR CONTAMINATION CONTROL AGAINST LEGIONELLA SPP.

For the Legionella spp Control, dose the product by special dispenser at a rate of 1.75 liters per cubic meter of water (equivalent to 50 ppm of free chlorine).

Proceed to the distribution of created solution in the sanitary circuit by activation of the recirculation system and / or flushing through the dispensers (taps, showers).

Leave for reaction effect for 60 minutes, therefore rinse the system with plenty of drinking water until the elimination of disinfectant residuals (residual free chlorine <0.2 ppm).

DISINFECTION OF STORAGE SYSTEMS AND WATER DISTRIBUTION SYSTEMS IN FOOD INDUSTRY, ANIMAL FEED INDUSTRY AND AGRICULTURE LIVESTOCK FOR CONTAMINATION CONTROL AGAINST GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIAS INCLUDING LEGIONELLA SPP.

Dose the product by special dispenser at a rate of 33.5 liters for cubic meter of water (equal to 1.000 ppm of free chlorine).

Proceed to the distribution of created solution in the storage tanks and in plants, leave for reaction effect for at least 15 minutes, therefore provide the rinsing with plenty of drinking water until the elimination of disinfectant residuals (free chlorine residual <0.2 ppm).

WASHING PROCEDURE AND FRUIT AND VEGETABLE DISINFECTION.

Dose the product at a rate of 10 cc in 1000 cc of water (equivalent to 300 ppm of chlorine). Wait 15 minutes, RINSE thoroughly with drinking water until the complete disappearance of all traces of Chlorine.

WE RECOMMEND TO USE THE PRODUCT AFTER DESCALING TREATMENT. **PRODUCT USE MAY CAUSE PLANT CORROSION IMPACTS.**

**WE STRICTLY RECOMMEND TO POINT OUT THAT A CHLORINE TREATMENT IS RUNNING**

RUN THE DISINFECTION PROCESS WHEN THE SYSTEM IS NOT IN USE, AND RINSE THOROUGHLY WITH DRINKING WATER (UP TO FREE CHLORINE RESIDUAL <0.2 PPM IN CHLORINE COVERAGE) BEFORE RESTART THE SYSTEM.

#### **PHYSICAL AND CHEMICAL PROPERTIES**

• Appearance:	clearly yellow liquid
• Odor:	Slight chlorine
• Water Solubility:	Complete
• pH of such product:	> 11.5
• Specific weight at 25°C:	1.11 +/- 0.03 kg / l

#### **WARNINGS AND POTENTIAL HAZARDS**

The product is CORROSIVE TO SKIN, CORROSIVE TO EYES AND TOXIC to Aquatic organisms

#### **WARNINGS:**

**H290** It may be corrosive to metals.

**H314** It causes serious skin burns and serious eye injuries.

**H400** Very toxic to aquatic organisms.

#### **SAFETY PRECAUTIONS:**

**P273** Do not release in the environment.

**P280** Wear gloves and protective clothing. Protect your eyes and face.

**P301 + P330 + P331** IF SWALLOWED: rinse mouth. DO NOT induce vomiting.

**P303 + P361 + P353** IF ON SKIN (or hair): Remove all contaminated clothing. Rinse skin with water / shower.

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing.

**P310** Immediately call a POISON CENTER or physician.

**P391** Collect spillage.

#### **EXPOSURE CONTROLS / PERSONAL PROTECTION**

Respiratory protection: full face mask with a chlorine filter.

Hand protection: Gloves resistant to chemicals EN374 (neoprene)

Eye protection: Full glasses

Skin protection: Clothing resistant to corrosive products CLASS I, EN340

Additional measures: Eye wash bottles.

#### **HANDLING AND STORAGE**

Handle using the appropriate personal protective equipment.

Store at room temperature and protect from direct sunlight.

#### **FIRST AID MEASURES**

SKIN: Wash immediately with plenty of soap and water. Take off contaminated clothing.

EYES: rinse with water for an appropriate time interval and hold the eyelids apart, then consult an ophthalmologist immediately. Protect unharmed eye.

Ingestion: Do not induce vomiting. Drink plenty of water, consult a doctor as soon as possible.

Emergency telephone number of call: +39 335 6109383

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## *Solution for Water Treatment*

Inhalation: bring the victim on fresh air and keep relaxed in warm place  
Treatment: None

### **COMPOSITION:**

100 ml of BIOCHLOR contains:

- Free Chlorine: 3.000 mg
- Coformulants: qs to 100 ml

### **PACKAGING**

BOTTLE 1 LITER  
DRUM 10 LITERS

### **TRANSPORT INFORMATION**

ROAD TRANSPORT: ADR UN 1903 CLASS 8, PACKING GROUP II –  
LIQUID DISINFECTANT, CORROSIVE, NOS (sodium hypochlorite,  
solution ...% Cl active, Sodium hydroxide)

The company BARCHEMICALS We reserve the right to change the formulation of this product at any time and without notice.  
The new data sheet automatically cancels the previous.

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