

PRODUCT PROFILE

SODIUM HYPOCHLORITE 12.5% (LIQUID BLEACH) SANITIZATION & DISINFECTION OF SURFACES

NON-POROUS FOOD CONTACT SURFACES

RINSE METHOD – A solution of 100 ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to ensure that the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 1 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 2 oz. of this product with 10 gallons of water to provide approximately 200 ppm available chlorine by weight.

Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. If the solution contains less than 50 ppm available chlorine, as determined by a test kit, either discard the solution or add enough product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment and do not soak equipment overnight. Sanitizers used in automated systems may be used for general cleaning but may not be re-used for sanitizing purposes.

IMMERSION METHOD – A solution of 100 ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to ensure that the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 1 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 2 oz. of this product with 10 gallons of water to provide approximately 200 ppm available chlorine by weight.

Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. If the solution contains less than 50 ppm available chlorine, as determined by a test kit, either discard the solution or add sufficient product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment. Sanitizers used in automated systems may be used for general cleaning but may not be re-used for sanitizing purposes.

FLOW PRESSURE METHOD – Disassemble equipment and thoroughly clean after use. Assemble equipment in operating position prior to use. Prepare a volume of 200 ppm available chlorine sanitizing solution equal to 110% of volume capacity of the equipment by mixing the product in a ratio of 2 oz. of this product with 10 gallons of water. Pump solution through the system until full flow is obtained at all extremities, the system is filled with the sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 2 minutes to ensure contact with all internal surfaces. Remove some cleaning solution from drain valve and test with a chlorine test kit. Repeat cleaning/sanitizing process if effluent contains less than 50 ppm chlorine.

CLEAN-PLACE METHOD – Thoroughly clean equipment after use. Prepare a volume of 200 ppm available chlorine sanitizing solution equal to 110% of volume capacity of the equipment by mixing this product in a ratio of 2 oz. product with 10 gallons of water. Pump solution through the system until full flow is obtained at all extremities, the system is filled with the sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 2 minutes to ensure contact with all internal surfaces. Remove some cleaning solution from drain valve and test with a chlorine test kit. Repeat cleaning/sanitizing process if effluent contains less than 50 ppm chlorine.

POROUS FOOD CONTACT SURFACES

RINSE METHOD - Prepare a sanitizing solution of 600 ppm available chlorine by weight by thoroughly mixing 6 oz. of this product with 10 gallons of water. Clean surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. Do not rinse equipment with water after treatment and do not soak equipment overnight.

IMMERSION METHOD – Prepare a sanitizing solution of 600 ppm available chlorine by weight by thoroughly mixing 6 oz. of this product with 10 gallons of water in an immersion tank. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. Rinse equipment with water after treatment.

NON-POROUS NON-FOOD CONTACT SURFACES

RINSE METHOD – Prepare a sanitizing solution of 200 ppm available chlorine by weight by thoroughly mixing 2 oz. of this product with 10 gallons of water. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. Do not rinse equipment with water after treatment and do not soak overnight.

IMMERSION METHOD – Prepare a sanitizing solution of 200 ppm available chlorine by weight by thoroughly mixing 2 oz. of this product with 10 gallons of water in an immersion tank. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. Do not rinse equipment with water after treatment.

POROUS NON-FOOD CONTACT SURFACES

RINSE METHOD – Prepare a sanitizing solution of 600 ppm available chlorine by weight by thoroughly mixing 6 oz. of this product with 10 gallons of water. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. Do not rinse equipment with water after treatment or soak equipment overnight.

IMMERSION METHOD - Prepare a sanitizing solution of 600 ppm available chlorine by weight by thoroughly mixing 6 oz. of this product with 10 gallons of water in an immersion tank. Clean equipment surfaces in the normal manner. Prior to use, immerse equipment in the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. Do not rinse equipment with water after treatment or soak equipment overnight.

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The information on this Product Profile is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose. For latest product specifications, contact our nearest sales office.

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DISINFECTION OF NON-POROUS NON-FOOD CONTACT SURFACES

RINSE METHOD – Prepare a disinfecting solution of 600 ppm available chlorine by weight by thoroughly mixing 6 oz. of this product with 10 gallons of water. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the disinfecting solution, maintaining contact with the disinfectant for at least 10 minutes. Do not rinse equipment with water after treatment or soak equipment overnight.

IMMERSION METHOD – Prepare a disinfection solution of 600 ppm available chlorine by weight by thoroughly mixing 6 oz. of this product with 10 gallons of water. Clean equipment surfaces in the normal manner. Prior to use, immerse equipment in the disinfecting solution, maintaining contact with the disinfectant for at least 10 minutes and allow sanitizer to drain. Do not rinse equipment with water after treatment or soak equipment overnight.

DILUTION

To Achieve Available Chloride (By Weight)	Gallons of Water	Add Liquid Ounces of 12.5% Sodium Hypochlorite
1 ppm	10,000 gallons	1.1 oz
3 ppm	1,000 gallons	3 oz
5 ppm	10,000 gallons	52 oz
5 ppm	1,000 gallons	5 oz
10 ppm	10,000 gallons	104 oz
15 ppm	1,000 gallons	16 oz
25 ppm	1,000 gallons	26 oz
35 ppm	1,000 gallons	36 oz
50 ppm	1,000 gallons	52 oz
100 ppm	1,000 gallons	104 oz
200 ppm	100 gallons	21 oz
500 ppm	100 gallons	52 oz
600 ppm	10 gallons	6 oz
1,000 ppm	10 gallons	11 oz
5,000 ppm	10 gallons	52 oz
10,000 ppm	10 gallons	104 oz

NOTE: This product degrades with age. Use a chlorine test kit and increase dosage as necessary to obtain the required level of chlorine.

SAFETY AND HANDLING

Protective clothing, such as rubber gloves, safety goggles, and rubber safety boots should be worn to protect from eye and skin contact. Refer to the Safety Data Sheet.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage disposal or cleaning of equipment. Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or rinsates that cannot be used must be diluted with water before disposal in a sanitary sewer.

Refillable container - Refill this container with sodium hypochlorite only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full of water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure 2 more times.



Sodium Hypochlorite 12.5%
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EPA Est.No. 266-AZ-1; 266-AZ-2

**The information contained in this profile pertains only to Sodium Hypochlorite manufactured at the Hill Brothers Phoenix, AZ facility. It is a violation of federal law to use this product in a manner inconsistent with its labeling.*

