



Selectocide™ 12G

Product Data Sheet

Disinfectant/Sanitizer/Tuberculocide/Virucide
Fungicide/Algaecide/Slimicide/Deodorizer

Catalog Number: 12G-8

Description: Selective Micro Selectocide 12G generates 12 grams of chlorine dioxide in water

Overview: This product is designed to generate chlorine dioxide gas in water. Immersing the product in water initiates the generation of chlorine dioxide, which results in 12 grams of chlorine dioxide gas in the water. The concentration is volume dependent. For example, the 12G will produce a solution equivalent to 100 ppm (0.01%) in 120 liters. All reactants are contained within proprietary membrane materials. Only the chlorine dioxide gas is released into the water resulting in pure solution, at neutral pH, with essentially no chemical byproducts. The sachet can be used as a single unit or in multiples to produce larger volumes or higher concentrations of chlorine dioxide in water.



Product Applications: Disinfectant, Sanitizer, Tuberculocide, Virucide, Fungicide, Algaecide, Slimicide, Deodorizer.

For use in waterlines, tanks, hard non-porous surfaces, raw agricultural wash, medical equipment and instruments and many other general sanitizing applications.

Active Ingredient:	Sodium Chlorite (CAS no. 7758-19-2)	30.5%
	Inert ingredients:	69.5%
	Total:	100.0%

Net weight of contents = 6.5 oz. (184.7 grams)

Selective Micro Technologies believes the information contained on this data sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive or fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, or rules of insurance requirements. Selective Micro and logo are registered trademarks and Selectocide is a trademark of Selective Micro Technologies, LLC.

Sachet Materials: Proprietary membranes

Desiccant Material: 13x Molecular sieve (Zeolite)

Shelf life/Storage: The inactivated product has a typical shelf life of 2 years. Activate prior to expiration date stamped on the package. Store in a cool dry place below 122 °F (50 °C). Keep product out of direct sunlight.

Packaging: The reactant sachet is individually packaged in a high barrier metalized polyethylene film pouch. A desiccant is packaged in each pouch to ensure shelf life. Lot numbers and expiration dates are printed on each pouch.

Dimensions

Outer Pouch: Length = 16.5 inches (42 cm) Width = 3.75 inches (9.5 cm)

Product Usage: Activate the 12G according to the directions for use printed on the package

Use the following volumes to achieve concentration desired:

For this concentration of chlorine dioxide	Immerse one Selective Micro 12G in this amount of clean water for 10 hours
500 ppm	24 liters
500 ppm	6.3 gallons
100 ppm	120 liters
100 ppm	31.2 gallons
50 ppm	240 liters
50 ppm	63 gallons
20 ppm	600 liters
20 ppm	158 gallons
5 ppm	2,400 liters
5 ppm	630 gallons

Once immersed the 12G must remain in the water for 10 hours. The minimum volume of water should not be less than 24 liters, which will produce a 500 ppm solution. Remove and discard the 12G envelope within 72 hours of activation. Do not reuse. Gently mix prior to use. Store activated solution in a sealed container in a cool dark place and not in direct sunlight. Use within 15 days of activation.

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