



# **BIOXY S** <sup>NEW</sup>

## **SOLID PERACETIC ACID – SANITIZER**

Unique to  **atomes**

### **DESCRIPTION**

**BIOXY S** is a powdered product that generates peracetic acid in water. **BIOXY S** was formulated to sanitize surfaces in contact with food, reservoirs, C.I.P. evaporators, fillers, aseptic equipment and pasteurisers found in dairies, wineries, breweries, and food, beverage and meat processing and packaging plants. Use **BIOXY S** to sanitize water reservoirs.

### **DIRECTIONS FOR USE**

Use **BIOXY S** on previously cleaned equipment. Use at a concentration of 0.2% (2 g **BIOXY S** in 1 liter of water ; or 20 g **BIOXY S** in 10 liters of water; or 200 g **BIOXY S** in 100 liters of water ). This concentration of 0.2% yields 200 ppm of active peracetic acid. Allow a 0.2% solution to circulate at 5-40<sup>0</sup>C (40-105<sup>0</sup>F) and keep in contact for at least 60 seconds. Drain. Do not rinse with water (active ingredients break down into water, oxygen and vinegar). **BIOXY S** can be used from a concentration ranging from 0.2% up to 2%. **BIOXY S** at 2% (20 g/L) concentration is considered as a chemical sterilant.

### **PROPERTIES**

Appearance: White powder

Odour: Mild

Solubility: Complete



## Comparison BIOXY S <sup>NEW</sup> vs Liquid Peracetic Acid

Description	BIOXY S - atomes	Liquid Peracetic acid
<b>Activity</b>	10% active (2 times more concentrated)	5% active
<b>Concentration used</b>	0.2% 2 g / L = 20g / 10 L	0.4% 4 ml / L
<b>Physical status</b>	Solid	Liquid
<b>Transportation</b>	Safe	Hazardous
<b>Odor</b>	No odor	Offensive – Strong acetic acid smell
<b>pH</b>	Reacts with water to generate peracetic acid at <b>neutral</b> pH levels	The pH is highly <b>acidic</b>
<b>Corrosion / surfaces</b>	<b>No induced corrosion</b>	Extremely corrosive to surfaces
<b>Handling / employees</b>	Safe to handle	Extremely dangerous to handle
<b>Storage</b>	Requires a limited place	Requires large and a secured space to prevent leaking
<b>Chemical stability</b>	Stable	Decomposes if exposed to heat or organic materials