PMP FERMENTATION PRODUCTS

WATER TREATMENT

SODIUM GLUCONATE & GLUCONIC ACID

Sodium Gluconate is used in a variety of water treatment applications

CORROSION INHIBITOR

Sodium gluconate in low concentrations is an effective corrosion inhibitor used in recirculating water systems such as cooling towers and heat exchangers.

These systems are composed of pipes and vessels constructed of copper and carbon steels which are particularly prone to oxidative corrosion. This occurs because air from the atmosphere will dissolve in the cooling water. The dissolve oxygen will diffuse into metal inducing corrosion.

The corrosion can be inhibited by dissolving sodium gluconate in concentrations above 100 ppm. This will generate the formation of a thin protective film on the metal surfaces. This film inhibits the diffusion of dissolved oxygen lowering the corrosion rate of the metal.

SCALE INHIBITION

Chelating capacity inhibits the formation of scale that can clog pipes and reduce efficiency of water flow.

CLARIFIER/CONDITIONER

Sodium gluconate's ability to bind metals helps maintain water clarity and helps remove unwanted impurities. It can also be used to adjust the pH enhancing the above described properties.

Sodium gluconate and gluconic acid are non-toxic, non-corrosive, biodegradable and bio-renewable.

Sodium Gluconate is available in solid or liquid forms.

Technical and Food Grades available.

Sodium Gluconate is available in a variety of packaging styles.

Granular is packaged in 50 lb or 25 kg polyethylene lined, multi-walled paper bags or in coated, woven polypropylene bulk bags.

Powder is packaged in 125 lb polyethylene-lined fiber drums.

Liquid Gluconate is available in drums, totes or in bulk as 60, 60LT or 70.

GLUCONIC ACID 50% is a technical grade product available in **DRUMS, TOTES** or bulk.

GLUCONIC ACID 50% FCC is a food grade product available in **DRUMS, TOTES** or bulk.

GLUCONIC ACID 50% FCC ORG is approved for use in organic applications and is available in **DRUMS AND TOTES**.

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Modeling Life Science & Technology With Nature™