PMP FERMENTATION PRODUCTS

GENERAL APPLICATIONS

Sodium gluconate is used in a wide variety of applications. Sodium gluconate is used because of its excellent chelating properties. In alkaline solutions, gluconate easily chelates calcium, magnesium, iron, copper and other metals.

FOOD ADDITIVE

Gluconic Acid and its salts have been used in various applications in the food industry.

Salt Substitute

Sodium gluconate is used as a partial replacement for sodium chloride in salt substitute or reduced sodium products and in sausages.

Debitterant

Gluconates have a unique impact on taste perception. When used with artificial sweeteners (e.g. saccharine2, cyclamates3) it acts as a debitterant. When used with Aspartame in diet beverages or sugar replacement, gluconates improve the taste to be more like sucrose.

TEXTILES

Chelating agents are used in several applications in the textile industry. In the scouring stages, gluconate is used in all cleansing preparation steps of textile finishing. This removes metal ions that are harmful in the Bleaching and Dyeing operations.

In the bleaching process, heavy metal ions (Cu2+, Mn2+ and Fe3+) cause the catalytic degradation of hydrogen peroxide. Gluconate binds these metals preventing loss of bleaching compound and preventing fiber tenderization.

Dyes are sensitive to divalent and trivalent metal ions. Gluconates are very useful to prevent discoloration due to metal deposition.

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

MISCELLANEOUS USES

Because Gluconate is a great chelator, it is used in a variety of applications including:

Glass Industry	Oil Fields	Plastics & Polymers
Leather Tanning	Chemical Milling	Pulp and Paper
Photo Development	Paint Additives	Household Cleaners
Pharmaceuticals		

Sodium Gluconate is available in solid or liquid forms. Technical and Food Grades available.

AVAILABILITY

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**.

TO ORDER: (800) 558-1031 | INQUIRIES: info@pmpinc.com

PMP
900 NE Adams St., Peoria, Illinois 61603
(309) 637-0400 www.pmpinc.com

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