



PMP FERMENTATION PRODUCTS, INC.

900 N.E. Adams • Peoria, Illinois 61603 • (309) 637-0400 • Fax (309) 637-9302

TECHNICAL DATA SHEET

LIQUID GLUCONATE 70

DEFINITION

PMP Liquid Gluconate 70 is a proprietary blend of sodium gluconate and gluconic acid that forms a 70% gluconate equivalent.

~40% Gluconic Acid
~30% Sodium Gluconate

Liquid Gluconate 70

CAS No. 527-07-1, 526-95-4, 7732-18-5
EINECS: 208-407-7, 208-401-4, 231-791-2

GENERAL SPECIFICATIONS

Physico-Chemical Properties

| | |
|----------------------|-------------------------------------|
| Appearance | Clear, light yellow to brown liquid |
| Odor | Slight acetic |
| Sodium Gluconate | 69.0 – 71.0% |
| pH | 3.0 – 3.5 |
| Specific Gravity | 1.35 – 1.40 |
| Reducing Substances | Not more than 5.0% |
| Boiling Point (°C) | > 100 |
| Freezing Point (°C) | < 14 °F |
| Viscosity @ 25°C | 35 Cp |
| Physical Impurities | None |
| Solubility in Water | Complete |

Microbial Values

Microbial growth is unlikely in this product(s) because of the pH range. However, as a precaution, we do add the following preservatives

LG 70 Acetic Acid

STORAGE AND SHELF LIFE:

Store in a cool dry place. Protect from damage to drums or totes. Shelf life is two years from the Date of Manufacture.



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KEY PROPERTIES:

Chelating agent.

MAIN APPLICATIONS

Concrete Admixture, Agriculture (micronutrients), Cleaning, Corrosion Inhibition, De-Icing

| | |
|----------------------|------------------------------|
| Plant Location: | Peoria, Illinois, USA |
| Packaging types | Bulk, Rail, 2700 pound totes |
| Handling Precautions | See SDS |

CERTIFICATIONS

ISO 9000:2015; Kosher

REGULATIONS:

TSCA listed

| | | | |
|-------------|-------------|------------|--------|
| Canada | DSL | YES | |
| Mexico | INSQ | YES | |
| Australia | AICS | YES | |
| New Zealand | NZioC | YES | |
| Japan | ENCS (MITI) | YES | |
| South Korea | KECL | YES | |
| China | IECSC | YES | |
| Europe | EINECS | YES; REACH | exempt |

While the blend is not specifically listed, the components are

CONFORMITY

FOOD CHEMICALS CODEX, 11th edition
US GRAS STATUS – 21 CFR 182.6757
JAPANESE STANDARDS FOR FOOD ADDITIVES
JECFA SPECIFICATIONS



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ALLERGENS

The following agents are NOT present in sodium gluconate

| | |
|---|---|
| Peanuts or peanut products | Tree nuts and products thereof ¹ |
| Crustaceans and products thereof | Eggs and egg products |
| Fish and fish products | Soybeans and soy products |
| Milk constituents and products thereof ² | Mustard and products thereof |
| Celery and product thereof | Sesame seeds and products thereof |
| Wheat, gluten and products thereof | Other cereals containing gluten & products thereof ³ |
| Lupin and products thereof | Molluscs and products thereof |
| Other seeds (cotton, poppy, sunflower) | Sulfur dioxide and sulfites in concentration higher than 10 ppm |

- 1 Includes almonds, brazil nuts, cashew, chestnut, hazelnut (filbert), pine nuts (pinyon, pinon), pistachio, pecan, macadamia, walnut, Queensland
- 2 Includes cow's milk, proteins, lactose, whey etc.
- 3 Cereals includes rye, barley, oat, spelt, kamut, rice and wild rice, sorghum, buckwheat, millet and quinoa

For all items listed on the ALBA list none of the items are present with the exception of Maize where it is present in all three categories.

STATEMENTS

- 1 This product is not genetically modified nor derived from a genetically modified organism.
- 2 This product contains no ingredients derived from animal parts. There is no risk of BSE or TSE in the production process.
- 3 This product is not tested on animals in any way.
- 4 This product contains no pesticides
- 5 This product is not ionized or irradiated.
- 6 This product contains no sewer sludge nor any other intentionally added chemical contaminants including residual solvents and Organic Volatile Impurities as well as Bisphenol A.
- 7 This product contains no Palm Oil.
- 8 This product does not contain nanoparticles.
- 9 Sodium gluconate is not organic or natural, but is vegan.



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MISCELLANEOUS

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, PMP Fermentation Products, Inc. cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.

VALIDITY:

Subject to modification of our process or regulations, the validity of this sheet is 2 years.

Effective Date: January 4, 2022