



SAFETY DATA SHEET

US Version HazCom 2012

Liquid Gluconate 70%

Section 1: Identification of the Substance/Mixture and of the company/Undertaking

1.1. Product Identifier

Product Name: Liquid Gluconate 70%
CAS #: 527-07-1, 526-95-4, 7732-18-5
EC #: 208-407-7.208-401-4, 231-791-2
Product Code: 71320
Synonyms: 2, 3, 4, 5, 6-Pentahydroxycaproic acid,
hexanoate
INCI Name: Liquid Gluconate 70

1.2. Relevant Identified Uses of the Substance/Mixture and Uses Advised Against

Chelating agent, electroplating, concrete mixtures, cleaning

1.3. Details of the Supplier of the Safety Data Sheet

Company : PMP Fermentation Products, Inc.
900 NE Adams Street
Peoria, Illinois 61603, USA

Telephone: 1-309-637-0400 8 am – 4 pm CST M-F
Fax Number : 1-309-637-9302
E mail: sales@pmpinc.com

1.4. Emergency Contact

In case of Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC Day or Night
Chemtrec: 1-(800) 424-9300

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

Classification under CLP: This product has no CLP classification

GHS Classification		
<i>Health</i>	<i>Environmental</i>	<i>Physical</i>
No Classification	No Classification	No Classification



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2.2. Label Elements

GHS Labels; OSHA Labels No pictograms required.

Signal word: None

Hazard Statement: None

Precautionary Statement:

Prevention

P280: Wear protective gloves and eye/face protection
P264: Wash with plenty of soap and water thoroughly after handling.

Response:

P302+352: IF ON SKIN: Wash with plenty of water
P332+ P313: If skin irritation occurs: Get medical advice
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P337+P313: If eye irritation persists. Get medical advice

Hazards Not Otherwise Classified: None

2.3. Other Hazards

PBT: This product is not identified as a PBT substance

Section 3: Composition/Information on Ingredients

3.1. Substances

Chemical Identity: Liquid Gluconate 70

Component	Classification	Concentration
Sodium Gluconate	No classification	30%
No. CAS 527-07-1		
No CE 208-407-7		
Gluconic Acid		
No. CAS 526-95-4	No classification	40%



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No CE	208-401-4		
Water			
No CAS	7732-18-5	No classification	30%
No CE	231-791-2		

SECTION 4: First Aid Measures

4.1. Description of First-Aid Measures

- Skin:** Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists, seek medical attention.
- Eyes:** Flush eyes with water lifting upper and lower lids occasionally for 15 minutes. If irritation persists, seek medical attention.
- Ingestion:** Contact physician or Poison Control Center (PCC) immediately. Do NOT induce vomiting unless instructed to do so by a physician or PCC.
- Inhalation:** Move person away from exposure. If having difficulty breathing, administer oxygen. If breathing has stopped, administer artificial respiration and seek medical attention.

4.2. Most Important Symptoms and Effects, both Acute and Delayed

- Skin:** Can cause irritation and redness to susceptible individuals.
- Eyes:** May cause mild irritation. The eyes may water profusely.
- Ingestion:** Can cause irritation if large amounts are swallowed. You may experience nausea and stomach pain. There may be vomiting and diarrhea.
- Inhalation:** May cause respiratory irritation in susceptible individuals. Can cause shortness of breath, sneezing and coughing.
- Delayed/Immediate Effects:** Long-term inhalation of excessive dust may cause delayed lung injury.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Need

Immediate/Special Treatment: Eye wash stations should be available



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SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Extinguishing media: water, carbon dioxide, foam, halogen

5.2. Special Hazards Arising from the Substance or Mixture

Exposure hazards: In combustion emits toxic fumes of carbon monoxide carbon dioxide.

5.3. Advice for Fire Fighters

Advice for firefighters: Wear self-contained breathing apparatus. Wear suitable protective clothing to prevent contact with skin and eyes.

5.4 Other Information

None

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Use appropriate protective clothing. See section 8.

6.2. Environmental Precautions

Do not discharge into drains or rivers.

6.3. Methods and Material for Containment and Cleaning Up

Collect as much as possible for use or disposal in a properly labeled container. Flush remainder into normal drainage with copious amounts of water.

6.4. Reference to Other Sections

Reference to other sections: see sections 8 and 13



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Section 7: Handling and Storage

7.1. Precautions for Safe Handling

Use suitable protective clothing. Make sure there is adequate ventilation in the area.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage conditions: Store in a cool, well-ventilated area. Keep away from direct sunlight.

Packaging: plastic or lined poly drums.

7.3. Specific End Use(s)

No special requirement

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

None established:

8.2. Exposure Controls

Engineering measures:	Provide sufficient ventilation of the area.
Respiratory protection	Respirator with particle filter
Hand Protection	Protective gloves
Eye Protection	Safety goggles, provide eye wash stations
Skin Protection	Protective clothing. Provide safety shower
Environmental:	No special requirement



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Section 9: Physical and Chemical Properties

9.1. Information on Physical and Chemical Properties

State:	liquid
Color:	Clear yellow to brown
Odor:	Slight acetic acid
Odor Threshold:	Data not available
pH:	3.0 – 3.5
Melting point:	Data not available
Boiling Point:	>100 °C
Flash point:	Data not available
Evaporation rate:	Data not available
Flammability:	Data not available
Upper Explosion Limit:	Data not available
Lower Explosion Limit:	Data not available
Vapor Pressure:	Data not available
Vapor Density:	Data not available
Specific Gravity:	1.4
Solubility in water	Complete
Partition Coefficient:	Data not available
Auto-ignition Temperature:	Data not available
Decomposition Temperature	Data not available
Freezing Point:	< 14°F
Viscosity :	35 Cp at 25 °C
Oxidizing substances:	Non-oxidizing
Peso molecular:	Data not available

9.2. Other Information

Other Information: Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage and transport conditions

10.2. Chemical Stability

Stable under normal conditions



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10.3. Possibility of Hazardous Reactions

Hazardous reactions will not occur under normal conditions

10.4. Conditions to Avoid

Direct sunlight

10.5. Incompatible Materials

Materials to Avoid:: Strong Oxidizers

10.6. Hazardous Decomposition Products

In combustion, emit toxic fumes of carbon dioxide/monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Toxicity Values:

Route	Species	Test	Value	Units
Oral	Rat	LD ₅₀	>2000	mg/kg
Intravenous	Rabbit	LD ₅₀	7630	mg/kg

Symptoms/Routes of Exposure

Contact on
Skin: May cause irritation and redness for susceptible individuals.

Eyes: May cause mild irritation. Eyes may water profusely..

Ingestion May cause irritation if large amounts are swallowed. Nausea and stomach pain may occur. There may be vomiting and diarrhea.

Inhalation May cause respiratory irritation in susceptible individuals. May cause shortness of breath, sneezing and coughing.

Delayed/Immediate effects: Long-term inhalation of excessive dust may cause



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delayed lung injury

Carcinogenicity: Not a carcinogen (IARC, ACGIH, NTP, OSHA)
Mutagenicity: Not applicable
Teratogenicity: Not applicable
Reproductive Toxicity: Not applicable

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Values:

Species	Test	Value	Units
Fish	96H LC50	> 1000.0	mg/L
Daphnid	48H LC50	> 1000.0	mg/L
Green Algal	96H EC50	> 1000.0	mg/L
Fish	ChV*	> 100.0	mg/L
Daphnid	ChV	> 100.0	mg/L
Algal	ChV	> 100.0	mg/L
Bacteria	EC50	> 5000.0	mg/L

*Chronic Value

12.2. Persistence and Degradability

Readily and rapidly biodegradable

12.3. Bioaccumulative Potential

Product does not bioaccumulate

12.4. Mobility in Soil

Accidental spillage may lead to penetration in the soil and groundwater, however; there is no evidence that this would cause adverse ecological effects

12.5. Results of PBT and vPvB Assessment

PBT Identification: This substance is not identified as a PBT substance.

12.6. Other Adverse Effects

Not expected to cause significant environmental impact.



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Disposal Operations: In accordance with applicable regulations. Normally can be flushed down sewers..

Recovery Operations: No information available

Disposal of Packaging: Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licensed contractor

:

SECTION 14: TRANSPORT INFORMATION

Transport Class: This product does not require a classification for transport.

US DOT	Not Dangerous Goods
TDG	Not Dangerous Goods
IMDG	Not Dangerous Goods
Marine Pollutant	No
IATA/CAO	Not Dangerous Goods

SECTION 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance/Mixture

US Regulations

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.



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SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Sodium gluconate	CAS-No. 527-07-1
Gluconic Acid	526-95-4

New Jersey Right To Know Components

Sodium gluconate	CAS-No. 527-07-1
Gluconic Acid	526-95-4

Rhode Island Right To Know Components Not Listed

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

TSCA This product is listed on TSCA

International Regulations

Europe

Exemption from registration under REACH in accordance with Annex V. Commission Decision 96/335/EC establishing an inventory and a common nomenclature of ingredients employed in cosmetic products (INCI). Council Directive 76/768/EEC on the approximation of the laws of Member States relating to cosmetic products. Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products..

Directive 96/82/EC does not apply

Europe Risk Phrases not classified in Europe

Europe Safety Phrases not classified in Europe



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Inventory Listing

Nation	Regulation	Sodium Gluconate	Gluconic Acid
Australia	AICS	Yes	Yes
Canada	DSL	Yes	Yes
Canada	WHMIS	No	No
China	IECSC	Yes	Yes
Europe	EC No	208-407-7	208-401-4
Japan	ENCS	(2) 14-10	2-1409
Korea	ECL	KE-17676	KE-17664
Philippines	PICCS	Yes	Yes

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

Other Information:

This safety data sheet is prepared in accordance with OSHA HazCom 2012

There are no exposure levels set for the specific product.

Legal Disclaimer

: 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.

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