# SAFETY DATA SHEET

US Version 7 HazCom 2024

**Liquid Gluconate LT 60%**

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

### 1.1. Product Identifier

| | |
|---|---|
| Product Name: | Liquid Gluconate LT 60% |
| CAS #: | 527-07-1, 526-95-4, 7732-18-5 |
| EC # | 208-407-7.208-401-4, 231-791-2 |
| Product Code: | 71340, 71342, 71343 |
| Synonyms: | 2, 3, 4, 5, 6-Pentahydroxycaproic acid, hexanoate |
| INCI Name: | Liquid Gluconate 60 LT |

### 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 GHS-US: This product has no GHS-US classification

| GHS Classification | | |
|---|---|---|
| *Health* | *Environmental* | *Physical* |
| No Classification | No Classification | No Classification |

## 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 60 LT

| Component | Classification | Concentration |
|---|---|---|
| **Sodium Gluconate** | No classification | 25% |
| No. CAS 527-07-1 | | |
| No CE 208-407-7 | | |
| **Gluconic Acid** | | |
| No. CAS 526-95-4 | No classification | 35% |
| No CE 208-401-4 | | |
| **Water** | | |
| No CAS 7732-18-5 | No classification | 40% |
| 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

Eye wash stations should be available

## 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

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

## 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

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 |

## Section 9: Physical and Chemical Properties

### 9.1. Information on Physical and Chemical Properties

| | | |
|---|---|---|
| State: | | liquid |
| Color: | | Clear yellow to light yellow |
| Odor: | | Slight acetic acid |
| Odor Threshold: | | Data not available |
| pH: | | 3.0 – 3.4 |
| Melting point: | | Data not available |
| Boiling Point: | | >100 $^{o}$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: | | 1.3 |
| Solubility in water | | Complete |
| Partition Coefficient: | | Data not available |
| Auto-ignition Temperature: | | Data not available |
| Decomposition Temperature | | Data not available |
| Freezing Point: | | < 14$^{o}$F |
| Viscosity | : | 32 Cp at 25 $^{o}$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

### 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 delayed lung injury

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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.

## 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

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## 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.

**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**

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

**New Jersey Right To Know Components**

| | CAS-No. |
|---|---|
| Sodium gluconate | 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

### 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

# SAFETY DATA SHEET

US Version 7 HazCom 2024

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**Other Information**:

This safety data sheet is prepared in accordance with OSHA HazCom 2024

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.

Date of Revision 10/10/2025