

## SAFETY DATA SHEET

Preparation Date: 08/26/2015

Revision Date: 08/26/2015

Revision Number: G1

### 1. IDENTIFICATION

**Product identifier**

**Product code:** S1286  
**Product Name:** SODIUM GLUCONATE, USP

**Other means of identification**

**Synonyms:** D-Gluconic acid, sodium salt (1:1)  
 Gluconic acid, monosodium salt, D-  
 Gluconic acid, sodium salt  
 D-Gluconic acid, monosodium salt  
 Glonsen  
 Gluconato di sodio [Italian]  
 Gluconic acid sodium salt  
 Monosodium D-gluconate  
 Monosodium gluconate  
 Pasexon 100T  
 Sodium D-gluconate

**CAS #:** 527-07-1  
**RTECS #** LZ5235000  
**CI#:** Not available

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Drug.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
 14422 South San Pedro St.  
 Gardena, CA 90248  
 (310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>

**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Martin LaBenz (West Coast)  
**Contact Person:** Ibad Tirmiz (East Coast)

### 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

## Label elements

Not classified

## Hazards not otherwise classified (HNOC)

Not Applicable

## Other hazards

Not available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components                   | CAS-No.  | Weight % | Trade Secret |
|------------------------------|----------|----------|--------------|
| Sodium Gluconate<br>527-07-1 | 527-07-1 | 100      | *            |

### 4. FIRST AID MEASURES

#### First aid measures

##### **General Advice:**

Poison information centers in each State capital city can provide additional assistance for scheduled poisons (13 1126).

##### **Skin Contact:**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

##### **Eye Contact:**

Flush eye with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

##### **Inhalation:**

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

##### **Ingestion:**

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

#### Most important symptoms and effects, both acute and delayed

##### **Symptoms**

May cause skin irritation. May cause eye irritation. May cause digestive tract irritation.

#### Indication of any immediate medical attention and special treatment needed

##### **Notes to Physician:**

Treat symptomatically

#### Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

### 5. FIRE-FIGHTING MEASURES

#### **Extinguishing Media**

##### **Suitable Extinguishing Media:**

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water, spray, mist, or foam. .

##### **Unsuitable Extinguishing Media:**

No information available.

Product code: S1286

Product name: SODIUM GLUCONATE,  
USP

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## Specific hazards arising from the chemical

### **Hazardous Combustion Products:**

Carbon oxides. Metallic oxides

### **Specific hazards:**

May be combustible at high temperatures

## Special Protective Actions for Firefighters

### **Specific Methods:**

No information available.

### **Special Protective Equipment for Firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## **6. ACCIDENTAL RELEASE MEASURES**

### Personal precautions, protective equipment and emergency procedures

#### **Personal Precautions:**

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Avoid breathing dust. Avoid dust formation. Remove all sources of ignition.

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### Methods and material for containment and cleaning up

#### **Methods for containment**

Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

#### **Methods for cleaning up**

Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

## **7. HANDLING AND STORAGE**

### Precautions for safe handling

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. Keep away from incompatible materials.

#### **Safe Handling Advice**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not breathe vapours/dust. Do not ingest. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

#### **Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

#### **Incompatible Materials:**

Oxidizing agents.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Control parameters

### **National occupational exposure limits**

### United States

| Components                   | OSHA | NIOSH | ACGIH | AIHA WHEEL |
|------------------------------|------|-------|-------|------------|
| Sodium Gluconate<br>527-07-1 | None | None  | None  | None       |

### Canada

| Components                   | Alberta | British Columbia | Ontario | Quebec |
|------------------------------|---------|------------------|---------|--------|
| Sodium Gluconate<br>527-07-1 | None    | None             | None    | None   |

### Australia and Mexico

| Components                   | Australia | Mexico |
|------------------------------|-----------|--------|
| Sodium Gluconate<br>527-07-1 | None      | None   |

### Appropriate engineering controls

#### Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Individual protection measures, such as personal protective equipment

#### Personal Protective Equipment

- Eye protection:** Safety glasses with side-shields
- Skin and body protection:** Chemical resistant apron. Long sleeved clothing. Gloves.
- Respiratory protection:** Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient.
- Hygiene measures:** Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |   |
|--|--|---|
| <b>Physical state:</b><br>Solid.                                 | <b>Appearance:</b><br>Crystalline powder.                      | <b>Color:</b><br>White. Off-white. Tan. White to yellowish.                 |
| <b>Odor:</b><br>Pleasant.  | <b>Taste</b><br>No information available                       | <b>Molecular/Formula weight:</b><br>218.14                                  |
| <b>Formula:</b><br>C6H11NaO7                                     | <b>Flammability:</b><br>No information available               | <b>Flash point (°C):</b><br>No data available                               |
| <b>Flashpoint (°C/°F):</b><br>No information available.          | <b>Flash Point Tested according to:</b><br>Not available       | <b>Autoignition Temperature (°C/°F):</b><br>No information available        |
| <b>Lower Explosion Limit (%):</b><br>No information available    | <b>Upper Explosion Limit (%):</b><br>No information available  | <b>pH:</b><br>No information available                                      |
| <b>Melting point/range(°C/°F):</b><br>200-206°C/ 392-403°F       | <b>Boiling point/range(°C/°F):</b><br>No information available | <b>Bulk density:</b><br>No information available                            |
| <b>Decomposition temperature(°C/°F):</b><br>200-206°C/ 392-403°F | <b>Density (g/cm3):</b><br>No information available            | <b>Specific gravity:</b><br>0.8   |
| <b>Vapor pressure @ 20°C (kPa):</b><br>No information available  | <b>Evaporation rate:</b><br>No information available           | <b>Vapor density:</b><br>No information available                           |
| <b>VOC content (g/L):</b><br>No information available            | <b>Odor threshold (ppm):</b><br>No information available       | <b>Partition coefficient (n-octanol/water):</b><br>No information available |
| <b>Viscosity:</b><br>No information available                    | <b>Miscibility:</b><br>No information available                | <b>Solubility:</b><br>Soluble in cold water<br>Soluble in hot water         |

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactive with oxidizing agents

### Chemical stability

#### **Stability:**

Stable under recommended storage conditions.

#### **Possibility of Hazardous Reactions:**

Hazardous polymerization does not occur

#### **Conditions to avoid:**

Heat. Avoid dust formation. Incompatible materials.

#### **Incompatible Materials:**

Oxidizing agents.

#### **Hazardous decomposition products:**

Carbon monoxide. Carbon dioxide. Sodium oxides.

### Other Information

#### **Corrosivity:**

Non-corrosive in presence of glass.

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
Inhalation. Ingestion.

**Acute Toxicity**

**Component Information**

*Sodium Gluconate - 527-07-1*

- LD50/oral/rat** = No information available
- LD50/oral/mouse** = No information available
- LD50/dermal/rat** = No information available
- LD50/dermal/rabbit** = No information available
- LC50/inhalation/rat** = No information available
- LC50/inhalation/mouse** = No information available
- Other LD50 or LC50 information** = No information available

**Product Information**

**LD50/oral/rat** =  
**VALUE- Acute Tox Oral** = No information available

**LD50/oral/mouse** =  
**Value - Acute Tox Oral** = No information available

**LD50/dermal/rabbit**  
**VALUE-Acute Tox Dermal** = No information available

**LD50/dermal/rat**  
**VALUE -Acute Tox Dermal** = No information available

**LC50/inhalation/rat**  
**VALUE-Vapor** = No information available  
**VALUE-Gas** = No information available  
**VALUE-Dust/Mist** = No information available

**LC50/Inhalation/mouse**  
**VALUE-Vapor** = No information available  
**VALUE - Gas** = No information available

**VALUE - Dust/Mist** = No information available

**Symptoms**

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Inhalation** May cause respiratory tract irritation.  
**Ingestion** May cause digestive (gastrointestinal) tract irritation.

**Aspiration hazard** No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic Toxicity** No information available

**Sensitization:** No information available

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not considered carcinogenic

| Components       | IARC       | ACGIH - Carcinogens | NTP        | OSHA HCS - Carcinogens | Australia - Prohibited Carcinogenic Substances | Australia - Notifiable Carcinogenic Substances |
|------------------|------------|---------------------|------------|------------------------|--|--|
| Sodium Gluconate | Not listed | Not listed          | Not listed | Not listed             | Not listed                                     | Not listed                                     |

**Reproductive toxicity** No data is available

**Reproductive Effects:** No information available

**Developmental Effects:** No information available

**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure** No information available

**STOT - repeated exposure** No information available

**Target Organs:** No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity effects:** No data available.

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available

**Mobility:** No information available

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

**Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal

| Components       | RCRA - F Series Wastes | RCRA - K Series Wastes | RCRA - P Series Wastes | RCRA - U Series Wastes |
|------------------|------------------------|------------------------|------------------------|------------------------|
| Sodium Gluconate | None                   | None                   | None                   | None                   |

**14. TRANSPORT INFORMATION**

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### DOT

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** None  
**ERG No:** No information available  
**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available

### TDG (Canada)

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Description:** No information available

### ADR

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Packing Group:** No information available  
**Subsidiary Risk:** No information available  
**Classification Code:** No information available  
**Description:** No information available  
**CEFIC Tremcard No:** No information available

### IMO / IMDG

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Description:** No information available  
**IMDG Page:** No information available  
**Marine Pollutant** No information available  
**MFAG:** No information available  
**Maximum Quantity:** No information available

### RID

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Classification Code:** No information available  
**Description:** No information available

### ICAO

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Description:** No information available



## 14. TRANSPORT INFORMATION

### IATA

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Description:** No information available

## 15. REGULATORY INFORMATION

### International Inventories

| Components              | U.S. TSCA | KOREA KECL       | Philippines (PICCS) | Japan ENCS       | CHINA   | Australia (AICS) | EINECS-No.        |
|-------------------------|-----------|------------------|---------------------|------------------|---------|------------------|-------------------|
| <i>Sodium Gluconate</i> | Present   | Present KE-17676 | Present             | Present (2)-1410 | Present | Present          | Present 208-407-7 |

### U.S. Regulations

*Sodium Gluconate*

FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 182.6757

FDA - 21 CFR - Total Food Additives 178.1010 182.6757

### California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

#### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

#### Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

| Components              | Carcinogen | Developmental Toxicity | Male Reproductive Toxicity | Female Reproductive Toxicity: |
|-------------------------|------------|------------------------|----------------------------|-------------------------------|
| <i>Sodium Gluconate</i> | Not Listed | Not Listed             | Not Listed                 | Not Listed                    |

### CERCLA/SARA

| Components              | CERCLA - Hazardous Substances and their Reportable Quantities | Section 302 Extremely Hazardous Substances and TPQs | Section 302 Extremely Hazardous Substances and RQs | Section 313 - Chemical Category | Section 313 - Reporting <i>de minimis</i> |
|-------------------------|---|---|--|---------------------------------|---|
| <i>Sodium Gluconate</i> | None  | None  | None   | None                            | None                                      |

### U.S. TSCA

| Components              | TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) | TSCA 8(d) -Health and Safety Reporting |
|-------------------------|---|--|
| <i>Sodium Gluconate</i> | Not Applicable  | Not Applicable                         |

### Canada

#### WHMIS hazard class:

Non-controlled

#### Sodium Gluconate

Uncontrolled product according to WHMIS classification criteria

**Sodium Gluconate****Canada Controlled Products Regulation:**

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

**Inventory**

| Components       | Canada (DSL) | Canada (NDSL) |
|------------------|--------------|---------------|
| Sodium Gluconate | Present      | Not Listed    |

| Components       | CEPA Schedule I - Toxic Substances | CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting |
|------------------|------------------------------------|---|
| Sodium Gluconate | Not listed                         | Not listed  |

**EU Classification****R-phrase(s)**

not determined (not applicable)

**S -phrase(s)**

none

| Components       | Classification | Concentration Limits: | Safety Phrases |
|------------------|----------------|-----------------------|----------------|
| Sodium Gluconate |                | No information        |                |

The product is classified in accordance with Annex VI to Directive 67/548/EEC

**Indication of danger:**

None.

**16. OTHER INFORMATION**

## 16. OTHER INFORMATION

**Preparation Date:** 08/26/2015  
**Revision Date:** 08/26/2015  
**Prepared by:** Sonia Owen

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**