
SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sodium gluconate
Product Number: S2652

Sarchem Laboratories, Inc.
5012 Industrial Road
Farmingdale, NJ 07727

Emergency Phone No: 800-255-3924
International: +1-813-248-0585
ChemTel Contract No: MIS0009049

2. HAZARDS INFORMATION:**Classification of the substance or mixture**

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS</u> | <u>EC:NO</u> | <u>Molecular Weight</u> |
|------------------|------------|--------------|-------------------------|
| Sodium gluconate | 527-07-1 | 208-407-7 | 218.14 g/mol |

Formula : C₆H₁₁NaO₇

Synonyms : D-Gluconic acid sodium salt, D-Gluconic acid, monosodium salt, 2,3,4,5,6-Pentahydroxycaproic acidsodium salt

4. FIRST AID MEASURES:**General Advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangers area.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

5. FIRE FIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, Sodium oxides

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8

Environmental precautions

No special environmental precautions required

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions for safe handling

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES:**Appearance**

| | |
|-------|-------|
| Form | solid |
| Color | beige |

Safety data

| | |
|---------------|-----------------------------|
| pH | 6.5 - 7.5 |
| Melting Point | 170 - 175 °C (338 - 347 °F) |

| | |
|----------------------|-------------------------------|
| Boiling Point | no data available |
| Flash Point | no data available |
| Ignition temperature | no data available |
| Lower exposure limit | no data available |
| Upper exposure limit | no data available |
| Vapor pressure | no data available |
| Water solubility | no data available |
| Relative density | no data available |
| Auto-ignition temp | > 200 °C (> 392 °F) |
| Decomposition temp | 196 - 198 °C (385 - 388 °F) - |

10. Stability and Reactivity

Storage stability

Stable under recommended storage conditions.

Materials to avoid

no data available

Chemical stability

Stable under recommended storage conditions.

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sodium oxides

Other decomposition products - No data available

In the event of fire: see section 5

11. Toxicological Information

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

no data available

Additional Information

No data available.

12. Ecological Information**Elimination information (persistence and degradability)**

No data available

Persistence and degradability

No data available

Further information on ecology

No data available

13. Disposal Considerations**Product**

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

14. Transportation Information

DOT (US)

Not Dangerous Goods

IMDG

Not Dangerous Goods

IATA

Not Dangerous Goods

15. Regulatory Information**SARA 302 Components**

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

SARA 313 Components

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.

Massachusetts Right To Know Components

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

Pennsylvania Right To Know Components

| | CAS-No. | Revision Date |
|------------------|----------|---------------|
| Sodium gluconate | 527-07-1 | |

New Jersey Right To Know Components

| | CAS-No. | Revision Date |
|------------------|----------|---------------|
| Sodium gluconate | 527-07-1 | |

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.

16. OTHER INFORMATION:**Further Information**

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