



SAFETY DATA SHEET

PRODUCT NAME: Sodium Gluconate

SDS Date of Issue: 17 May 2026

1. IDENTIFICATION

Product Name: Sodium Gluconate
Other Names: Gluconic Acid, Sodium Salt
Product Code: ZSGLU
Uses: Food additive, pharmaceutical production, industrial use.
Restrictions: -

Supplier: HamChem Hamilton Chemicals Ltd, 75 Ruffell Rd, Hamilton
Phone: 079744971 Email: info@hamchem.nz Web: www.hamchem.nz

- In emergency dial 111, and then ask for Fire, Ambulance or Police as necessary.
- In case of poisoning phone National Poisons Centre – 0800 764 766

2. HAZARD IDENTIFICATION

Not considered Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

3. COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
D-Gluconic acid, monosodium salt	527-07-1	<=100%

4. FIRST AID MEASURES

If swallowed: Rinse mouth, then drink plenty of water. If vomiting occurs, drink further water. Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.

If on skin: Remove contaminated clothing and shoes immediately. Flush skin with running water for at least 15 minutes. If skin irritation occurs, get medical advice/attention.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing until recovered. If respiratory symptoms persist, get medical advice/attention. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult.

If in eyes: Rinse cautiously with water for several minutes, holding eyelids open and occasionally lifting the upper and lower eyelids. Remove contact lenses if present and easy to do so. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use dry chemical, carbon dioxide, foam or water spray for extinction.

Specific hazards: Dust explosion hazard – may form flammable dust clouds in air. Fire may produce irritating and/or toxic fumes, including oxides of carbon.

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HamChem Ltd, 75 Ruffell Road, Hamilton, New Zealand. Phone: 07-974-4971 Email: info@hamchem.nz Web: www.hamchem.nz

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Protective equipment for firefighters: Chemical protective clothing (splash suit) in combination with self-contained breathing apparatus (SCBA) should be used.

Additional advice: Control runoff from fire control or dilution water. Runoff may pollute waterways.

6. ACCIDENTAL RELEASE MEASURES

General Response: Ensure adequate ventilation. Eliminate all ignition sources (no smoking, flares, sparks or flames). Do not touch or walk-through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.

Clean Up: Collect material (vacuum or sweep up) and place into suitable containers for later disposal.

Containment: Stop leak if safe to do so – prevent entry into waterways, drains or confined areas. Cover with damp absorbent (inert material, sand or soil) to prevent dust cloud.

Decontamination: Wash down area with excess water.

Environmental Precautionary Measures: Prevent entry into drains and waterways.

Evacuation Criteria: Spill or leak area should be isolated immediately. Keep unauthorized personnel away, stay upwind.

Personal Precautionary Measures: Use personal protective equipment as required (see Section 8 of this SDS).

7. HANDLING & STORAGE

Handling: Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid handling which leads to dust formation. Avoid breathing dust and contact with eyes, skin and clothing. Use personal protective equipment as required (See Section 8). Dust explosion hazard – take precautionary measures against static discharges. Keep away from heat and sources of ignition. No smoking.

Storage: Store in a cool, dry and well-ventilated place. Keep container tightly closed when not in use – check regularly for spills. Keep away from heat and sources of ignition. No smoking. Keep away from incompatible materials (strong oxidising agents).

Container: Keep in the original container.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

General: No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards:

- Safe Work Australia Exposure Standard (Nuisance Dusts): 8 hr TWA = 10mg/m³
- New Zealand WES (Particulates not otherwise classified): TWA = 10mg/m³ (total); TWA = 3mg/m³ (respirable)

Exposure Limits: No data available

Biological Limits: No information available

Engineering controls: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred as it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.

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Personal protective equipment: Respiratory Protection: In case of inadequate ventilation or if an inhalation risk exists, wear respiratory protection. Recommended Filter Type: P1 for solid particles of inert substances. Eye/Face Protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety Glasses. Hand Protection: Handle with gloves. Recommended (full/splash contact): Impervious Gloves, e.g., Nitrile Rubber (0.11mm), Break through time: >480 minutes. Skin/Body Protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substance(s) handled.

Special Hazards Precautions: No information available.

Work Hygienic Practices: Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or reuse.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Powder
Odour	Odourless
Colour	White to cream
pH	6 - 8
Specific Gravity	0.8 – 1.0
Melting Point/Freezing Point (°C)	No data available
Initial Boiling Point (°C)	No data available
Flash Point (°C)	No data available
Flammability	May burn – does not ignite readily.
Upper/Lower Flammability	Not applicable
Vapour Pressure	No data available
Vapour Density	No data available
Solubility	Appreciable (37%) solubility in water
Partition Coefficient (n-octanol/water)	No data available
Auto-ignition Temperature (°C)	No data available
Decomposition Temperature (°C)	No data available
Kinematic Viscosity	No data available
Particle Characteristics	No data available

10. STABILITY & REACTIVITY

Stability: Stable under normal ambient and anticipated storage and handling conditions.

Hazardous decomposition products: Fire may produce irritating and/or toxic fumes, including oxides of Carbon.

Hazardous polymerization: Will not occur.

Incompatibles: Incompatible/reactive with strong oxidising agents.

Conditions to avoid: Avoid generating dust. Keep away from heat and sources of ignition. Take precautionary measures against static discharge.

11. TOXICOLOGICAL INFORMATION

Toxicity data: Acute toxicity (Oral) – LD50, Rat: >2,000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity (Aquatic & Terrestrial): No information available.

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Persistence & degradability: Readily biodegradable (89%, 28 days) [OECD TG 301D]

Bioaccumulative potential: Bioaccumulation is not expected.

Mobility in soil: No information available.

Other adverse effects: Prevent entry into drains and waterways.

13. DISPOSAL CONSIDERATIONS

Appropriate disposal methods: Dispose of contents/container in accordance with local/regional/national regulations.

Special precautions: Contaminated packaging: dispose of as unused product.

14. TRANSPORT INFORMATION

Not considered Dangerous Goods for transport – NZS5433

15. REGULATORY INFORMATION

HSNO Approval number: Non-hazardous

HSNO Classifications: None, non-hazardous

Licensing Requirements: None

16. OTHER INFORMATION

End of SDS.