



## SAFETY DATA SHEET

PRODUCT NAME: CALCIUM GLUCONATE

June 2009

### IDENTIFICATION

**Product Name:** Calcium Gluconate  
**Other Names:** Calcium Salt  
**Product Code:** ZCGLUCO  
**Uses:** Pharmaceutical agent, one use being the treatment of exposure to hydrofluoric acid. White crystalline or granular powder.  
**Supplier:** HamChem Hamilton Chemicals Ltd, 355 Kahikatea Drive, Hamilton  
Phone: 078475840, Fax 078475882, info@hamchem.co.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

### HAZARD IDENTIFICATION

Based on available information, not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.  
Not classified as a Dangerous Good under NZS 5433:1999 Transport of Dangerous Goods on Land.  
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### COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Calcium Gluconate	299-28-5	100%

### FIRST AID MEASURES

**Inhalation:** Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm.

Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

**Eye Contact:** If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

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HamChem Ltd, 355 Kahikatea Drive, Hamilton, New Zealand. Phone 07 847 5840 Fax 07 847 5882 E-Mail - info@ hamchem.co.nz

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**Ingestion:** Although swallowing is unlikely to cause problems, it is a sensible precaution to rinse the mouth with water and give a glass of water to drink.

**Notes to physician:** Treat symptomatically.

#### **SYMPTOMS AND EFFECTS, ACUTE AND DELAYED, FROM EXPOSURE**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** No adverse effects expected.

**Eye contact:** May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

**Skin contact:** Contact with skin may result in irritation.

**Inhalation:** Breathing in dust may result in respiratory irritation.

**Long Term Effects:** No information available for the product.

#### **FIRE FIGHTING MEASURES**

**Specific Hazards:** Combustible solid. In common with many organic chemicals, may form flammable dust clouds in air.

**Fire-fighting advice:** On burning will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

**Suitable Extinguishing Media:** Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

#### **ACCIDENTAL RELEASE MEASURES**

Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation.

Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labeled containers or drums for disposal.

#### **HANDLING & STORAGE**

**Handling advice:** Avoid skin and eye contact and breathing in dust.

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**Storage advice:** Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

### EXPOSURE CONTROLS & PERSONAL PROTECTION

**Exposure standards:** No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH).

However, Workplace Exposure Standard(s) for particulates:

Particulates not otherwise classified: 8hr WES-TWA = 10 mg/m<sup>3</sup> (inspirable dust) or 3 mg/m<sup>3</sup> (respirable dust)

**Engineering controls:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use.

**Personal protective equipment:** Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

### PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Powder
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>22</sub> O <sub>14</sub> Ca
<b>Solubility:</b>	Soluble in hot water. Sparingly soluble in cold water. Insoluble in alcohol, acetic acid and organic solvents.
<b>Specific Gravity:</b>	Not available
<b>Relative Vapour Density (air=1):</b>	Not applicable
<b>Vapour Pressure (20 °C):</b>	Not applicable
<b>Flash Point (°C):</b>	Not applicable
<b>Flammability Limits (%):</b>	Not available
<b>Autoignition Temperature (°C):</b>	Not available
<b>% Volatile by Weight:</b>	Not available
<b>Melting Point/Range (°C):</b>	Decomposes prior to melting
<b>Boiling Point/Range (°C):</b>	Not applicable
<b>Decomposition Point (°C):</b>	100 (approx.)
<b>pH:</b>	Not applicable

### STABILITY & REACTIVITY

**Stability:** Incompatible with oxidising agents.

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**TOXICOLOGICAL INFORMATION**

**Toxicity data:**

No LD50 data available for the product.

**ECOLOGICAL INFORMATION**

Avoid contaminating waterways.

**DISPOSAL CONSIDERATIONS**

Refer to Waste Management Authority. Normally suitable for disposal at approved land waste site.

**TRANSPORT INFORMATION**

**Road and Rail Transport**

Not classified as a Dangerous Good under NZS 5433:1999 Transport of Dangerous Goods on Land.

**REGULATORY INFORMATION**

Based on available information, not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

**OTHER INFORMATION**

**Key to abbreviations:**

**End of SDS.**

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