

**MATERIAL SAFETY DATA SHEET**  
**CALCIUM GLUCONATE GEL 2.5%**

**1. Identification of the Product and Company**

**Product Name:** CALCIUM GLUCONATE GEL 2.5%

**Product Code:** CAL01466F

**Other Names:** None allocated

**Use:** To aid in the treatment of hydrofluoric acid burns.

**Company Name & Contact Details**  
 Medical Information Associate  
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**Other Information**  
 All reasonable care has been taken to ensure information and advice contained in this data sheet is accurate at time of printing. However, Orion accepts no liability for any loss or damages suffered as a consequence of reliance on the information contained herein.

**2. Hazards Identification**

**Hazard Classification** This product is not hazardous or dangerous

**3. Composition/Information on Ingredients**

Chemical Entity	CAS No:	Proportion
Calcium Gluconate	18016-24-5	2.5% w/w
Hydroxyethyl Cellulose	-	< 10% w/w
Methyl Hydroxybenzoate	94-13-3	< 10% w/w
Propyl Hydroxybenzoate	99-76-3	< 10% w/w
Propylene Glycol	57-55-6	10% w/w
Water	7732-18-5	to 100% w/w

**4. First Aid Measures**

**Inhalation:** Move patient to fresh air.

**Ingestion:** Give large quantities of water to drink to a conscious person. Seek medical attention.

**Skin:** Wash area well with soap and water.

**Eye:** Hold eyes open and flush with running water for at least 15 minutes.

**Advice to Doctor:** Treat symptomatically. Reduce calcium intake to minimum and give large volumes of fluid to combat dehydration and reduce renal deposition of calcium.

## 5. Fire Fighting Measures

<b>Extinguishing Media</b>	Water fog, foam, carbon dioxide, dry chemical.
<b>Hazards from Combustion products</b>	On burning, may produce carbon monoxide and carbon dioxide.
<b>Precautions &amp; Equipment for Fire Fighters</b>	Fire fighters should wear self-contained breathing apparatus as exposure to vapour or combustion products is likely.
<b>Hazchem Code</b>	None allocated

## 6. Accidental Release Measure

Contain using an absorbent (sand, sawdust, vermiculite) where appropriate. Collect and seal in properly labelled containers for disposal. Wash area down with excess water.  
Waste material may be incinerated under controlled conditions where permitted. Refer to local Waste Management Authority Regulations for other approved methods.

## 7. Handling and Storage

<b>Safe Handling Practices</b>	Not hazardous for the purposes of transport and storage.
<b>Storage</b>	Store below 25°C.
<b>Other Information</b>	No data available

## 8. Exposure Controls; Personal Protection

<b>Exposure Limits:</b>	There are no known exposure standards for Calcium Gluconate Gel 2.5%, however that of its active ingredient, Calcium Gluconate, may be beneficial. LD <sub>50</sub> (IV rat) 950mg/kg
	LD <sub>50</sub> means a dose of a substance that produces death in 50 per cent of a population of experimental animals.
<b>Engineering Controls</b>	No special precautions necessary. Ensure adequate ventilation at all times.
<b>Personal Protection</b>	No special requirements.

## 9. Physical and Chemical Properties

<b>Appearance / Odour:</b>	A clear, viscous, colourless and odourless gel.
<b>pH:</b>	5.0 - 7.0
<b>Vapour Pressure:</b>	Not known
<b>Vapour Density:</b>	Not known
<b>Viscosity:</b>	30,000 - 100,000 cps
<b>Boiling Point:</b>	Not known
<b>Freezing/Melting Point:</b>	Not known
<b>Solubility:</b>	Miscible in water
<b>Specific Gravity or Density:</b>	Not known

## 10. Chemical Stability and Reactivity Information

<b>Conditions Contributing to Instability</b>	No data available
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### 11. Toxicological Information

<b>Inhalation:</b>	No problems anticipated.
<b>Ingestion:</b>	May cause gastric irritation, hypercalcemia.
<b>Skin:</b>	No problems anticipated.
<b>Eye:</b>	No problems anticipated.

### 12. Ecological Information

<b>Mobility:</b>	No data available
<b>Persistence and Degradability:</b>	No data available
<b>Ecotoxicity:</b>	No data available

### 13. Disposal Considerations

<b>Disposal Methods &amp; Containers:</b>	Containers may be rinsed with water & re-cycled. Waste material may be incinerated under controlled conditions where permitted.
<b>Special Disposal for Landfill or Incineration:</b>	Waste material may be incinerated under controlled conditions where permitted. Refer to local Waste Management Authority Regulations for other approved methods.

### 14. Transport Information

<b>UN Number:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated
<b>DG Class &amp; Subsidiary Risk:</b>	None allocated
<b>Packing Group:</b>	None allocated
<b>Hazchem Code:</b>	None allocated

### 15. Regulatory Information

Not classified using the criteria in the Standard Uniform Schedule for Drugs and Poisons.

### 16. Other Information

<b>References:</b>	<ul style="list-style-type: none"><li>➤ <i>Martindale, The Extra Pharmacopoeia.</i></li><li>➤ <i>MSDS Calcium Gluconate, C0384 05/14/03 J.T. Baker</i></li></ul>
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