

**MATERIAL SAFETY DATA SHEET (SDS)****CALCIUM GLUCONATE GEL 2.5%****1. Identification of the Product and Company**

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

**Other Names:** HF Antidote Gel

**Use:** To mitigate the effect of hydrofluoric acid in skin

**Company Name & Contact Details**  
 Attard's Minerals  
 5081 Field St.  
 San Diego, CA 92110 USA  
 PHONE: 619 275 2016  
 EMAIL: attard@attminerals.com

**Other Information**  
 All reasonable care has been taken to ensure information and suggestions contained in this data sheet are accurate at time of writing. However, we accept no liability for any loss or damages suffered as a consequence of reliance on the information contained herein.

**2. Hazards Identification**

**Hazards Classifications**  
 This product is not hazardous and this SDS is not legally required. It is for informational purposes only. Clean up first with absorbent material then with water.

**3. Composition / Information on Ingredients**

Chemical Entity	CAS No:	Proportion
Calcium Gluconate Monohydrate	18016-24-5	2.5% w/w
Hydroxyethyl Cellulose	9004-62-0	<2% w/w
Methyl Hydroxybenzoate	94-13-3	<2% w/w
Propyl Hydroxybenzoate	99-76-3	<1% w/w
Glycerin	55-81-5	<2% w/w
Water	7732-18-5	To 100% w/w

**4. First Aid Measures**

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

**Skin:** Wash area with water

**Eye:** Hold eyes open and flush with water for at least 10 minutes

**Suggestion to Doctor** Treat symptomatically

5. Fire Fighting Measures
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Extinguishing Media	Would not burn due to high percentage of water
Hazards from combustion products	None allocated
Precautions & Equipment for Fire Fighters	None allocated
Hazchem Code	None allocated

6. Accidental Release Measure
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Contain using an absorbent (sawdust, vermiculite) where appropriate. Collect and seal in properly labeled containers for disposal. Wash area down with excess water to remove it completely because it is slippery and can cause falls. Refer to local waste Management Authority Regulations for other approved methods.

7. Handling and Storage
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Safe Handling Practices	Not hazardous for the purposes of transport and storage
Storage	Store below 25°C (store at controlled room temperature)
Other Information	Do not refrigerate or freeze or some material may crystallize out

8. Exposure Controls; Personal Protection
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Exposure Limits:	No known exposure standards for Calcium Gluconate Gel 2.5%. Its Active ingredient, Calcium Gluconate, has little if any toxicity LD <sub>50</sub> (IV rat) 950 mg/kg
Engineering Controls	LD <sub>50</sub> means a dose of a substance that produces death in 50 per cent of a population of experimental animals. No special precautions necessary.
Personal Protection	No special requirements.

9. Physical and Chemical Properties
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Appearance / Odour:	A clear, viscous, colourless and odourless gel.
pH:	5.0 - 7.0
Vapor Pressure:	Same as water depending on temperature
Vapor Density:	Same as water depending on temperature
Viscosity:	30,000 – 100,000 cps
Boiling Point:	Same as water ±5%
Freezing / Melting Point	Same as water ±5%
Solubility:	Miscible in water
Specific Gravity or Density:	Same as water ±5%

**10. Chemical Stability and Reactivity Information**

Conditions Contributing to instability                      No data available

**11. Toxicological Information**

Inhalation:    No problems anticipated.  
Ingestion:    May cause gastric irritation, hypercalcemia.  
Skin:    No problems anticipated.  
Eye:    No problems anticipated.

**12. Ecological Information**

Mobility:    No data available.  
Persistence and Degradability:                              No data available.  
Ecotoxicity:     No data available.

**13. Disposal Considerations**

Disposal Methods & Containers:                              Containers may be rinsed with water & re-cycled. Waste material may be incinerated where permitted.

Special disposal for landfill or incineration:              Waste material may be incinerated where permitted. Refer to local waste management regulations for other approved methods.

**14. Transport Information**

UN Number:    None allocated  
UN Proper Shipping Name:                                      None allocated  
DG Class & Subsidiary Risk:                                    None allocated  
Packing Group:    None allocated  
Hazchem code:    None allocated

**15. Regulatory Information**

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

**16. Other Information**

References:    ➤ Martindale, The Extra Pharmacopoeia.  
    ➤ MSDS Calcium Gluconate, C3301 02042020.

Checked by: John Attard

Date: January 2021

END OF MSDS