

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 except that if spilled it can cause falls due to it making floors slippery. 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	< 5% w/w
Methyl Hydroxybenzoate	94-13-3	< 5% w/w
Propyl Hydroxybenzoate	99-76-3	< 5% w/w
Glycerin	55-81-5	< 5% w/w
Water	7732-18-5	To 100% w/w

4. First Aid Measures

Inhalation: Move Patient to fresh air and seek medical help
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 water for at least 10 minutes
Suggestion to Doctor: Treat symptomatically

5. Fire Fighting Measures

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

Contain using an absorbent (sand, 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 very slippery and can cause falls. Refer to local waste Management Authority Regulations for other approved methods.

7. Handling and Storage

Safe Handling Practices	Not hazardous for the purposes of transport and storage
Storage	Store below 25°C (store at controlled room temperature)
Other Information	No data available

8. Exposure Controls; Personal Protection

Exposure Limits:	No known exposure standards for Calcium Gluconate Gel 2.5%. Its Active ingredient, Calcium Gluconate, has little if any toxicity LD ₅₀ (IV rat) 950 mg/kg
Engineering Controls	LD ₅₀ 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

Appearance / Odour:	A clear, viscous, colourless and odourless gel.
pH:	5.0 - 7.0
Vapour Pressure:	Same as water depending on temperature
Vapour 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 04/04/14 Spectrum Chemical Corp.

Checked by: John Attard

Date: January 2017

END OF MSDS