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

<table>
<thead>
<tr>
<th>Chemical Entity</th>
<th>CAS No:</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Gluconate Monohydrate</td>
<td>18016-24-5</td>
<td>2.5% w/w</td>
</tr>
<tr>
<td>Hydroxyethyl Cellulose</td>
<td>9004-62-0</td>
<td>&lt; 5% w/w</td>
</tr>
<tr>
<td>Methyl Hydroxybenzoate</td>
<td>94-13-3</td>
<td>&lt; 5% w/w</td>
</tr>
<tr>
<td>Propyl Hydroxybenzoate</td>
<td>99-76-3</td>
<td>&lt; 5% w/w</td>
</tr>
<tr>
<td>Glycerin</td>
<td>55-81-5</td>
<td>&lt; 5% w/w</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>To 100% w/w</td>
</tr>
</tbody>
</table>

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 LD₅₀ (IV rat) 950 mg/kg

LD₅₀ means a dose of a substance that produces death in 50 percent of a population of experimental animals.

Engineering Controls
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:**

- MSDS Calcium Gluconate, C3301 04/04/14 Spectrum Chemical Corp.

Checked by: John Attard

Date: January 2017