

Material Safety Data Sheet: Calcium Gluconate Gel

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1. Identification of the substance/preparation and company

Trade name: **CALCIUM GLUCONATE GEL**

Identification of the company : **KAYS MEDICAL LIMITED. L6 1HH. England**

Telephone no. : +44 (0)151 207 5117

Information about the substance/preparation: Product is a water based gel containing Calcium Gluconate for the treatment of hydrofluoric acid burns to the skin.

Emergency telephone number : 44 (0) 77 80 95 22 74

2. Composition/information on ingredients

The product is composed of a water-based gel containing the Calcium Gluconate

Major Constituents:

Filtered De-ionized Water, Hydroxymethylcellulose, Calcium Gluconate Bp 2.5%

Additives at less than 1%

Citric acid Bp, Potassium Sorbate, Phenoxyethanol Bp

3. Hazards identification

No physiological hazards identified through contact or ingestion.

Slip hazard when product spilled on floor.

4. First aid measures

After inhalation

Clear blocked airways and remove patient from hazard

After contact with skin

In case of accidental contact with skin wash off with soap and water

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

After ingestion

Rinse mouth thoroughly with water.
Seek medical advice

5. Fire-fighting measures

Suitable extinguishing media

water spray jet
alcohol-resistant foam

carbon dioxide
dry powder

Extinguishing media that must not be used for safety reasons

Full water jet

Special hazards from the substance itself, its combustion products or from its vapours

Product is water based and will not ignite. Will produce steam if heated in sealed container

Special protective equipment for fire fighting

No special precautions required

Further information

Cool endangered containers with water spray jet.

6. Accidental release measures

Personal precautions Use personal protective clothing. Ensure adequate ventilation.

Environmental precautions Do not allow entry to drains, water courses or soil. If the product gets into drains, inform the relevant authorities immediately.

Methods for cleaning up/taking up Take up with absorbent material (eg sand, kieselguhr, universal binder) Place in suitable containers and send for disposal.

7. Handling and storage

Advice on safe handling: No special requirements.

Advice on protection against fire and explosion:

Product is water based and will not ignite. Will produce steam if heated in sealed container

Requirements for storage rooms and vessels: Keep container tightly closed in a cool, well-ventilated place. Protect from moisture. Keep only in the original container .

Advice on storage compatibility :

Do not store together with oxidizing agents.

Further information on storage conditions: Store between 5°C and 30°C

Hygiene measures

Work in an adequately ventilated room. Remove soiled or soaked clothing immediately.

Respiratory protection : Non required unless product atomized or vaporized

Hand protection : Chemical resistant gloves

Eye protection : safety glasses

Body protection :
protective clothing boots

9. Physical and chemical properties

Form :	Mobile Gel
Colour :	colourless
Odour :	weak
Melting point :	Approx 0°C
Flash point :	Not flammable
Density :	approx. 1.11 g/cm ³ (20 °C)

10. Stability and reactivity

Thermal decomposition : No decomposition if used as prescribed. **Hazardous reactions**

Reactions with oxidising agents.

11. Toxicological information

Remarks:

The product is not considered to be inherently toxic. This should not be taken to approve unrestricted ingestion but small quantities are not considered to be harmful.

12. Ecological information

Remarks

Do not allow to enter soil, waterways or waste water Biologically degradable, when diluted may be degraded in biological purification plants

13. Disposal considerations

Product

In accordance with regulations for disposal site

Uncleaned packaging

Regulations concerning reuse or disposal of used packaging materials must be observed. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse

14. Transport information

ADR	not restricted
ADNR	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

15. Regulatory information

Labelling in accordance with EC-Directives

No specific labelling requirements are connected with this product

Approved and authorised

Signed

Date

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.
