

## MATERIAL SAFETY DATA SHEET

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Number: 11-02-017-(1)-EA  
Date prepared: January 20, 2011  
Date revised:  
Revised detail:

### 1. Chemical Product and Company Identification

Product code: -  
Product name: G-CERA VEST - Powder  
Company Identification:  
GC Corporation, 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan  
Postal code 174-8585, Phone 81-3-3965-1388

<b>Australian supplier:</b> Henry Schein Halas Dental Co., Ltd., Sydney – Head Office 44 O'Dea Ave, Waterloo, NSW 2017 Emergency Phone (02) 9697-6288 / 1300 658822 Fax (02) 9697 6250	<b>New Zealand supplier:</b> Henry Schein Regional Ltd 23 William Pickering Drive Albany, Auckland Emergency Phone 0800 764 766 Fax 0800 808 555
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### 2. Composition / Information on Ingredients

(% chemical components by WT)

Silicone Dioxide	(CAS 112926-00-8)	40-60 %
Magnesium oxide	(CAS 1309-48-4)	5-10 %
Aluminium Oxide	(CAS 1344-28-1)	22-30 %
Silicon carbide	(CAS 409-21-2)	2 %
Ammonium phosphate	(CAS 7783-28-0)	10 %

### 3. Hazards Identification

This material is hazardous according to health criteria of NOHSC Australia.  
This material is not classified as Dangerous Goods as per ADG Code  
Poison schedule (SUSDP): None

#### Hazard Classification

None

#### **R/S Phrase**

R20/21: Harmful by inhalation and in contact with skin.  
R36/38: Irritating to eyes and skin.

### 4. First Aid Measures

**Flammable Properties:** Not flammable  
**Flash Point:** Not applicable.  
**Flammable Limits:** Not applicable  
**Auto Ignition Temperature:** Not applicable  
**Hazardous Combustion Products:** Not known  
**Extinguishing Media:** Chemical foam, carbon dioxide, and dry chemical  
**Fire Fighting Instructions:** No special measures required.

## 5. Fire Fighting Measures

**Flammable Properties:** Not flammable

**Flash Point:** Not applicable.

**Flammable Limits:** Not applicable

**Auto Ignition Temperature:** Not applicable

**Hazardous Combustion Products:** Not known

**Extinguishing Media:** Chemical foam, carbon dioxide, and dry chemical

**Fire Fighting Instructions:** No special measures required.

## 6. Accidental Release Measures

**Measures for environmental protection:** No special measures required.

**Measures for cleaning/collections:** Ensure adequate ventilation.

## 7. Handling and Storage

**Handling:**

**Information for safe handling:** No special measures required.

**Information for fire and explosion protection:** No special measures required.

**Storage:**

**Requirements to be met by storerooms and receptacles:** No special measures required.

**Further information about storage conditions:** Keep receptacle tightly sealed.

## 8. Exposure Controls, Personal Protection

**Respiratory Protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Skin Protection:** Protective gloves.

**Eye Protection:** Tightly sealed goggles.

**Exposure Guideline(s):**

**Exposure limit**

Quartz (CAS: 14808-60-7)

TLV: 0.025 mg/m<sup>3</sup> (respirable dust) A2 (suspected human carcinogen); (ACGIH 2006).

MAK: Carcinogen category: I (DFG 2005).

Magnesium oxide (CAS: 1309-48-4)

TLV (as fume): ppm; 10 mg/m<sup>3</sup> (ACGIH 2010).

MAK as fume: ppm; 6 mg/m<sup>3</sup>; (1996).

Aluminium oxide (CAS

TWA: 10mg/m<sup>3</sup> (ACGIH 2008)

Silicon Carbide ( CAS: 409-21-2 )

TWA: 10mg/m<sup>3</sup> (ACGIH 2008)

## 9. Physical and Chemical Properties

**Appearance:** White powder

**Odour:** Odourless

**Boiling Point:** No data

**Vapor Pressure:** Not determined.

**Vapor Density:** Not determined.

**Solubility in Water:** Not soluble.

**Specific Gravity:** No data

**Freezing Point:** No data

**pH:** No data

**Volatile:** Not applicable.

## 10. Stability and Reactivity

**Stability:** Stable

**Incompatibility:** Do not contact with oxidizing agent.

**Hazardous Decomposition Products:** No dangerous decomposition products known.

**Hazardous Polymerization:** No dangerous polymerization known.

## 11. Toxicological Information

**Acute Toxicity:**

**Primary irritant effect:**

**On the skin:** Irritant to skin and mucous membranes.

**On the eye:** Irritating effect

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

Carcinogenicity

IARC (Silica [14808-60-7], crystalline) Class:1

NTP (Silica, Crystalline (Respirable Size)): Classification K

## 12. Ecological Information

No data are available on the adverse effects of this material on the environment.

## 13. Disposal Considerations

**Product:**

It is recommended to consult local or state regulations regarding proper disposal.

## 14. Transport Information

**IMO Regulations:** Not IMO hazardous material

**ICAO and IATA Regulations:** Not ICAO/IATA hazardous material

## 15. Regulatory Information

According to EU Regulation, TSCA, this material is not classified as a hazardous material.

It is recommended however to consult local regulations of the region or state to determine its identification.

## 16. Other Information

No specific information available.

The information herein is given in good faith, but no warranty expressed or implied, is made.