MATERIAL SAFETY DATA SHEET

Number: B-0001-P(E)
Date prepared: August 13, 2002
Date revised: May 30, 2006

1. Chemical Product and Company Identification

Product code: -
Product name: GC Elite Cement 100 Powder
Manufacturer / Supplier:
GC Corporation, 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan
Postal code 174-55, Phone 81-3-3965-1388

Australian supplier:
Henry Shein Halas Dental Co., Ltd.,
Sydney – Head Office
44 O'Dea Ave, Waterloo, NSW 2017
Emergency Phone (02) 9697-6288
Fax (02) 9697 6250

2. Composition / Information on Ingredients

(% chemical components by WT)

Zinc oxide (CAS 1314-13-2)	88%
Magnesium oxide (CAS 1309-48-4)	12

(See section 8 for exposure guidelines)

3. Hazards Identification

Emergency Overview:
Odorless ligtht yellow color powder.
No immediate hazard when used and handled according to instructions.

Potential Health Effects

Eye: May cause chemical irritation.
Skin: May cause skin irritation.
Ingestion: Moderately toxic to humans by ingestion.
Inhalation: Zinc oxide is considered to be of low toxicity. Inhalation of fumes may cause metal fume fever, characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell count.

4. First Aid Measures

Eyes:
Flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention
Skin: Flush skin with plenty of soap and water for at least 15 minutes.
Ingestion: Do not induce vomiting. Give plenty of water. Get medical attention if necessary.
Inhalation:
Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid.

5. Fire Fighting Measures

Flammable Properties
Flash Point: Not flammable/not combustible
Flammable Limits: Not applicable
Auto Ignition Temperature: Not applicable

Hazardous Combustion Products: Non
Extinguishing Media: Chemical foam, carbon dioxide, and dry chemical
Fire Fighting Instructions: Use most appropriate to extinguish surrounding fire.

6. Accidental Release Measures

Vacuum or sweep up material and place into a suitable disposable container.

7. Handling and Storage

Handling: Keep container tightly closed when not in use.
Storage:
Store in room temperature (4-25℃). Keep away from heat and high humidity. Use with adequate ventilation.
Minimize dust generation and accumulation.

8. Exposure Controls, Personal Protection

Respiratory Protection: Use a NIOSH or European standard approved respirator when necessary.
Skin Protection: Use protective gloves.
Eye Protection: Use tightly sealed goggles.
Exposure Guideline(s):
OSHA PEL: 15mg/M3 ACGIH TLV: 5mg/M3
Engineering Controls: Use adequate general or local exhaust ventilation.

9. Physical and Chemical Properties

Appearance: Light Yellow fine powder
Odor: Odorless
Melting Point: 1800 C
Vapor Pressure: No data
Vapor Density: No data
Solubility in Water: Slightly miscible
Specific Gravity: 5.68
Freezing Point: No data
pH: No data
Volatile: Not applicable

10. Stability and Reactivity

Stability: Stable
Incompatibility: React with Magnesium when heated.
Hazardous Decomposition Products: Non
Hazardous Polymerization: Non

11. Toxicological Information

Zinc oxide (CAS 1314-13-2)
LC50: 2500 mg/M3 Inhalation, mouse
LD50: 7950 mg/kg Oral mouse
Additional toxicological information:
Epidemiology, teratogenicity, reproductive effect, neurotoxicity, mutagenicity, other studies**:**
No data available

12. Ecological Information

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

13. Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

14. Transport Information

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

15. Regulatory Information

Not available

16. Other Information

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