

SAFETY DATA SHEET

Carbon Certified Reference Materials

Section 1. Chemical Product and Company Identification

COMPANY ADDRESS:

Geostats Pty Ltd
20 Hines Road,
O'Connor, WA 6163
Australia

EMERGENCY TELEPHONE NUMBERS:

Tel: (+61 8) 9314 2566
Email: info@geostats.com.au

PRODUCT NAME

: **Carbon Certified Reference Materials / Pulverised Underground Rock Samples** with product codes prefixed with "GBC", "GLC"

PRODUCT USE

: Quality Assurance and Control – Mineral Exploration, Mining and Laboratory

Section 2. Hazards Identification Summary

Description: Ultra fine (-75 microns) geological material.

The materials are prepared from naturally occurring rocks, and therefore may contain varying amounts of crystalline silica (quartz) and carbon.

Health Hazards: Inhalation of large quantities of crystalline silica and carbon may lead to serious illness.



Section 3. Composition, Information of Ingredients

The Certified Reference Materials are composed of a number of rock forming minerals, commonly silica (quartz, CAS 7631-86-9), iron oxides (CAS 7439-89-6), sulphides (CAS 7704-4-9), clays (CAS 1332-58-7) silicates (CAS 12627-13-3) and carbon (CAS 7440-44-0). Known elemental contents are provided on individual material Certificates of Analysis available on the Geostats website - http://www.geostats.com.au/crm_search_form.php

Section 4. First Aid Measures

Inhalation: No specific first-aid is necessary since the adverse health effects associated with exposure to crystalline silica (quartz) and carbon result from chronic exposure. If there is a gross inhalation, remove the person immediately to fresh air, give artificial respiration as needed, seek medical attention as needed.

Eye contact: Wash immediately with water. If irritation persists, seek medical attention.

Section 5. Fire Fighting Measures

Suitable extinguishing agents: Water, dry chemical, chemical foam, carbon dioxide or alcohol resistant foam.

Section 6. Accidental Release Measures

Spills: Use dustless methods (vacuum) and place into closable container for disposal, or flush with water. Do not dry sweep. Wear protective equipment specified below.

Section 7. Handling and Storage

Handling: Use only in a well-ventilated area. Minimise dust generation and accumulation. Employ P2 particle filter while handling. Keep away from heat, sparks and flames and hot surfaces. No smoking.

Storage: Stored in containers and plastic bags in a cool place, away from direct sunlight.

Section 8. Exposure Controls, Personal Protection

Local Exhaust: Use sufficient local exhaust to reduce the dust level.

Respiratory Protection: P2 particle filter.

Section 9. Physical and Chemical Properties

Appearance:	Ultra fine dust
Flammability:	Flammable
Specific Gravity:	2 - 4 g/cc
Solubility in Water:	Not soluble

Section 10. Stability and Reactivity

Stability: The major components of the material are stable. Some uptake of moisture may occur under humid conditions.

Section 11. Toxicological Information

Carbon inhalation can lead to graphitosis.

Section 12. Ecological Information

Toxic to aquatic life with long lasting effects.

Section 13. Disposal Considerations

The packaging should be recycled where possible, material may be landfilled. Material should be covered to minimize generation of airborne dust.

Section 14. Transport Information

Not classified as a dangerous goods under the Australian Dangerous Goods (AGD), International Maritime Dangerous Goods (IMDG), or International Air Transport Association (IATA) codes.

Section 15. Regulatory Information

Products containing crystalline silica are classified as hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) and Work, Health and Safety regulations.

Section 16. Other Information

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Validity: 5 years from last revision.

