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GEOSTATS PTY LTD
Mining Industry Consultants
Reference Material Manufacture and Sales

SAFETY DATA SHEET

Uranium Certified Reference Materials

Section 1. Chemical Product and Company Identification

COMPANY ADDRESS:
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PRODUCT NAME : **Uranium} Certified Reference Materials / Pulverised Underground Rock Samples** with product codes prefixed with "GU"
PRODUCT USE : Quality Assurance and Control – Mineral Exploration, Mining and Laboratory

Section 2. 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 uranium compounds (CAS 1344-59-8). 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 3. 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 uranium compounds.

Health Hazards: Inhalation of large quantities of crystalline silica and uranium may lead to serious illness. The levels of uranium contained in the materials is well below the acceptable levels of radiation exposure.

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 uranium compounds 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

The materials are not flammable, combustible or explosive.

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:	Not 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. The sulphide component may oxidise slowly on exposure to heat and oxygen. Some uptake of moisture may occur under humid conditions.

Section 11. Toxicological Information

The major concerns are silicosis, caused by the inhalation and retention of respirable crystalline silica dust and damage to organs in the case of exposure to uranium.

Section 12. Ecological Information

There exists no evidence for the materials to be ecotoxic.

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

Disclaimer: The information and recommendations, contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by purchase, resale, use or exposure to our products.

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