1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bridgit Series
Product Family: Sized Calcium Carbonate
Supplier: Engenium Chemicals Corp., 4333 - 46th Avenue S.E., Calgary, Alberta, T2B-3N5, 403-279-8545
Emergency Contact Information: CANUTEC, 613-996-6666 or *666 on a cellular phone (Canada Only), 24 Hours / Day
Use: Drilling mud additive

2. HAZARDS IDENTIFICATION

Potential Health Effects

Inhalation: May cause mechanical irritation prolonged or repeated exposure to fine airborne crystalline silica dust, like quartz dust, is known to cause silicosis.

Skin Contact: May cause mechanical irritation.

Eye Contact: May cause slight irritation as a "foreign object". Tearing, blinking and mild temporary pain may occur as particles are rinsed from the eye by tears.

Ingestion: Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Carcinogenicity: CARCINOGEN.

Teratogenicity / Embryotoxicity: No information was located.

Reproductive Toxicity: No information was located.

Mutagenicity: No information was located.

Target Organs: Lungs.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Concentration %</th>
<th>Other Identifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, quartz</td>
<td>14808-60-7</td>
<td>0.1 - 1</td>
<td></td>
</tr>
</tbody>
</table>

Notes: Concentrations are expressed in % weight/weight.

4. FIRST AID MEASURES

First Aid Procedures

Inhalation: Move victim to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention if irritation develops or persists.

Skin Contact: Quickly take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes. Seek medical attention if irritation develops or persists.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. Seek medical attention if irritation develops or persists.

Ingestion: Loosen tight clothing such as a collar, tie, belt or waist band. Have victim rinse mouth with water. NEVER give anything by mouth if victim is rapidly losing consciousness, or is
5. FIRE FIGHTING MEASURES

Flammable Properties Does not burn.
Suitable Extinguishing Not combustible. Use extinguishing agent suitable for surrounding fire.
Media

Unsuitable
Extinguishing Media None known.

Specific Hazards Arising from the Chemical None Known.

Protective Equipment and Precautions for Firefighters Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours. The use of self-contained breathing apparatus is recommended for fire fighters.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Provide adequate ventilation. Use the Personal Protective Equipment recommended in Section 8 of this MSDS.

Environmental Precautions Prevent material from entering public sewer system or any waterways.

Methods for Containment and Clean-up Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. After cleaning, flush away traces with water. Wet product may create a slipping hazard. Avoid generating dust.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment to avoid direct contact with this chemical. Avoid contact with skin and eyes. Avoid dust formation.

Storage Store in an area that is: well-ventilated. Dry separate from incompatible materials (see Section 10: Stability and Reactivity). Keep containers closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV®</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
<td>TWA</td>
</tr>
<tr>
<td>Silica, quartz</td>
<td>0.025 mg/m3</td>
<td>Not established</td>
<td>0.1 mg/m3</td>
</tr>
</tbody>
</table>

Engineering Controls General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

Personal Protective Equipment (PPE)

Eye/Face Protection Safety glasses with side shields are recommended to prevent eye contact.

Skin Protection Chemically resistant gloves should be used. Skin contact should be minimized through use of gloves and suitable long sleeved clothing (i.e., shirt and pants, coveralls).

Respiratory Protection Do not breathe in this product. Wear a NIOSH approved dust mask when required.

General Hygiene Considerations Do NOT smoke in work areas. Do NOT eat, drink or store food in work areas. Remove contaminated clothing and protective equipment before entering eating areas or leaving work area. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area.
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State
Solid
Appearance
White.
Odour
Odourless
Odour Threshold
Not available
Boiling Point
Not applicable
Freezing Point
Not available
Bulk Density
Not available
Solubility in Water
Insoluble
pH
8.5 - 9.5 (10% solution)
Partition Coefficient, n-Octanol/Water
Not available
Vapour Pressure
Not available
Vapour Density (air = 1)
Not available
Evaporation Rate
Not available
Flash Point
Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability
Normally stable.
Conditions to Avoid
Generation of dust. Open flames, sparks, static discharge, heat and other ignition sources.
Incompatible Materials
Strong oxidizing agents (e.g. perchloric acid).
Hazardous Decomposition Products
Oxides of Carbon.
Possibility of Hazardous Reactions
None known.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LC50</th>
<th>LD50 (oral)</th>
<th>LD50 (dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, quartz</td>
<td>Not available</td>
<td>500 mg/kg (rat)</td>
<td>Not available</td>
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</tbody>
</table>

Effects of Short-Term (Acute) Exposure
Ingestion
May cause.

Effects of Long-Term (Chronic) Exposure
Contains crystalline silica, which may cause lung cancer. Long term inhalation of particulate can cause irritation, inflammation and/or permanent injury to the lungs. Illnesses such as pneumoconiosis ("dusty lung"), pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma may develop.

Carcinogenicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>ACGIH®</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, quartz</td>
<td>Group 1</td>
<td>A2</td>
<td>Known carcinogen</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

IARC: Group 1 – Carcinogenic to humans. ACGIH®: A2 – Suspected human carcinogen.

Teratogenicity / Embryotoxicity
No information was located.

Reproductive Toxicity
No information was located.
Mutagenicity
No information was located.

12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>General Comments</th>
<th>Environmental information was not located.</th>
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</thead>
<tbody>
<tr>
<td>Ecotoxicity</td>
<td>Studies were not located.</td>
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<tr>
<td>Persistence and</td>
<td>No information was located.</td>
</tr>
<tr>
<td>Degradability</td>
<td></td>
</tr>
<tr>
<td>Bioaccumulation /</td>
<td>No information was located.</td>
</tr>
<tr>
<td>Accumulation</td>
<td></td>
</tr>
<tr>
<td>Mobility</td>
<td>Studies are not available.</td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

14. TRANSPORT INFORMATION

Shipping Information
Not regulated under Canadian TDG Regulations.

Other Transport Information
Special Shipping Information Not applicable

15. REGULATORY INFORMATION

Canada

WHMIS Classification

Class D2A
D2A - Very Toxic (Carcinogenicity)
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)
All intentional components of this product are either on the DSL, the confidential DSL or notifications / import restrictions are in place.

USA

Toxic Substances Control Act (TSCA) Section 8(b)
All ingredients are listed on the TSCA Inventory.

16. OTHER INFORMATION

MSDS Prepared By Product Safety Committee
Phone No. 403-279-8545
Date of Preparation April 20, 2015
Disclaimer To the best of our knowledge, the information contained herein is accurate. However, neither