Section 1: Identification

Product Code: FG1405
Product Trade Name: Gemstone
Product Class/Intended End Use: Acrylic finish. For industrial/professional use only.
Emergency Telephone Numbers: For Health and Spill Emergency: 905-856-0133 (Monday to Friday 9am-5pm EST)
Manufacturer Information: DuROCK Alfacing International Ltd.
101B Roytec Rd
Woodbridge, Ontario, Canada
L4L 8A9
Phone: 905-856-0133

Section 2: Hazard Identification

Classifications:
Acute Toxicity (Oral), Category 4
Acute Toxicity (Dermal), Category 4

Signal Word:
Warning

Hazard Statements:
H302: Harmful if swallowed.
H312: Harmful if in contact with skin.

Precautionary Statements:
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P264: Wash affected areas thoroughly with soap and water after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312+P330: IF SWALLOWED: Call a Poison Center/doctor if you feel unwell. Rinse mouth.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P362+P364: IF ON SKIN: Take off contaminated clothing and wash before reuse.
P404: Store in a closed container.
P403+P235: Store in a well ventilated place. Keep cool.
P501: Dispose of contents/container to at a permitted facility in accordance with local, state, and federal regulations.

Hazard Pictograms:
Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name/Synonyms</th>
<th>CAS REG NO.</th>
<th>Weight (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceramic Coated Sand</td>
<td>Ceramic Coated Sand</td>
<td>Not available</td>
<td>From 30 to 60%</td>
</tr>
<tr>
<td>Dipropylene glycol</td>
<td>Glycol ether DPM</td>
<td>34590-94-8</td>
<td>From 0.1 to 1%</td>
</tr>
<tr>
<td>monomethyl ether</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>Glycol ether EB</td>
<td>111-76-2</td>
<td>From 0.1 to 1%</td>
</tr>
<tr>
<td>Propylene glycol phenol ether</td>
<td>Not available</td>
<td>770-35-4</td>
<td>From 0.1 to 1%</td>
</tr>
</tbody>
</table>

Special Statement Regarding Ceramic Coated Sand:
Although these products are composed primarily of Silica Sand and such sand is potentially a source of respirable dust, the sand particles are thoroughly encapsulated in a coating which captures all dust and should, under normal circumstance, prevent any normal release of silica dust to the workplace.

Section 4: First Aid Measures

**Inhalation:**
Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if coughing or other symptoms persist.

**Eye Contact:**
Rinse with plenty of water. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists obtain medical.

**Skin Contact:**
Remove/take off all contaminated clothing. Flush skin with running water and wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse. If skin irritation persists contact a physician.

**Ingestion:**
Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention

**Most Important Symptoms and Effects (both acute and delayed):**
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be mildly irritating to skin, eyes and respiratory system.

Section 5: Fire Fighting Measures

**Suitable Extinguishing Media:** Use extinguishing media appropriate to the surrounding fire conditions.

**Unsuitable Extinguishing Media:** No data available.

**Special Hazards Arising from the Substance or Mixture:** Product can splatter above 100C/212F. Dried product can burn.

**Special Protective Equipment and Precautions for Firefighters:** Wear self contained breathing apparatus and protective suit. As for any fire, evacuate the area and fight the fire from a safe distance.
SAFETY DATASHEET

Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**
Wear adequate personal protective equipment, including an appropriate respirator. Isolate spill area, preventing entry by unauthorized persons. Material can create slippery conditions.

**Environmental precautions:**
Avoid releases to the environment and prevent material from entering sewers, natural waterways or storm water management systems.

**Methods and material for containment and cleaning up:**
Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid dyking material to separate suitable containers for recovery or disposal.

Section 7: Handling and Storage

**Precautions for Safe Handling:**
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

**Conditions for Safe Storage:**
Keep from freezing, product stability may be affected. Store in a cool and dry place and out of sun. Stir before use.

Section 8: Exposure Controls/Personal Protection

**Control parameters:**
**Occupational Exposure Limits:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica (quartz) (respirable fraction)</td>
<td>0.025mg/m³</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>150ppm (skin, STEL)</td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>20ppm (*TWA)</td>
</tr>
<tr>
<td>Propylene glycol phenol ether</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Appropriate Engineering Controls:**
Use local exhaust or general ventilation to maintain vapour levels below exposure limits in workplaces.

**Protective Measures:**
Facilities storing or utilizing this material should be equipped with an eyewash facility.

**Personal Protective Equipment:**
**Respiratory Protection:**
NIOSH/MSHA approved respirator if required.

**Eye Protection:**
Safety glasses with side shields are recommended to prevent eye contact.

**Hand Protection:**
Use gloves (Neoprene gloves recommended), shoes and protective clothing to prevent skin contact.
### Section 9: Physical and Chemical Properties

**Appearance:** Paste-like  
**Odour:** Mild  
**Odour threshold:** Not applicable  
**pH:** 8.0-9.0  
**Melting point/freezing point:** Not available  
**Initial boiling point and boiling range:** 100°C (212°F) Water  
**Evaporation rate:** Not available  
**Flash point:** Not combustible  
**Flammability:** Not combustible  
**Upper/lower flammability or explosive limits:** Not available  
**Vapour pressure:** Not available  
**Vapour density:** Not available  
**Relative density:** Not available  
**Solubility(ies):** Water  
**Partition coefficient (n-octanol/water):** Not applicable  
**Auto-ignition temperature:** Not applicable  
**Decomposition temperature:** Not available  
**Viscosity:** Not available

### Section 10: Stability and Reactivity

**Reactivity:** None known.  
**Chemical Stability:** Stable at normal ambient and anticipated storage and handling conditions.  
**Possibility of Hazardous Reactions:** None known.  
**Conditions to Avoid:** Do not freeze or overheat.  
**Incompatible Materials:** None known.  
**Hazardous Decomposition Products:** Thermal decomposition may yield acrylic monomers.

### Section 11: Toxicological Information

**Likely Routes of Exposure:** Eye and skin contact. Ingestion

**Acute Toxicity: Ceramic coated sand**  
Non irritating

**Acute Toxicity: Dipropylene glycol monomethyl ether**  
- Oral, rat: LD$_{50}$ = 5120 mg/kg  
- Dermal, rabbit: LD$_{50}$ = 9480 mg/kg  
- Inhalation, rat, 4hr: LC$_{50}$ = 3 mg/L (mist)

**Acute Toxicity: 2-butoxyethanol**  
- Oral, rat: LD$_{50}$ = 530 mg/kg  
- Dermal, rabbit: LD$_{50}$ = 400-500 mg/kg  
- Inhalation, rat, 4hr: LC$_{50}$ = 2.175mg/L

**Acute Toxicity: Propylene glycol phenol ether**  
**Specific Target Organ Systemic Toxicity (Repeated Exposure):** Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.
Section 12: Ecological Information

**Carcinogenicity:** No relevant data found.
**Aspiration Hazard:** Based on physical properties, not likely to be an aspiration hazard.

**Toxicity:** No test data on mixture.
**Persistence and degradability:** No test data on mixture.
**Bioaccumulative potential:** No test data on mixture.
**Mobility in soil:** No test data on mixture.
**Other adverse effects:** None known.

Section 13: Disposal Considerations

**Handling of Disposal:**
Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers.

**Methods of Disposal:**
Dispose of in accordance with federal, provincial/state and local hazardous waste laws; do not discharge into sewage or municipal water.

Section 14: Transport Information

**UN Number:** Not applicable
**UN Proper Shipping Name:** Not applicable
**Transport Hazard Class(es):** Not applicable
**Packing Group:** Not applicable
**Environmental Hazards:** Not available
**Special Precautions for User:** Not available

Section 15: Regulatory Information

**Ceramic Coated Sand:**
**Canada:**
**WHMIS Classification:** Not restricted/non-hazardous.

**United States (Federal and State):**
**TSCA:** Components are listed.
**OSHA:** Silica sand is considered hazardous under 29 CFR 1910.1000.
Silica sand is not regulated for transportation under the U.S. DOT, Canadian TDG, IMDG, or IATA Regulations.

**Dipropylene glycol monomethyl ether:**
**IMDG/IATA/DOT/TDG:** Not regulated
**Domestic Substances List (DSL):** Listed.
**TSCA:** Listed

**2-butoxyethanol:**
**TDG/IMO-IMDG/IATA/ICAO:** Not regulated for transport
**Domestic Substances List (DSL):** Listed.
**TSCA:** Listed

**Propylene Glycol Phenol Ether:**
Not available
Section 16: Other Information

Revision Date: February 2019