1.0 Chemical Product and Company Identification

Product Name: Silicade Type P D/C Fines, Silicade No. 5 RF Grit Fractions, Silicade No. 5 RF Fines

Chemical Name: SILICON CARBIDE

Company Name: Washington Mills Electro Minerals Corp.
1801 Buffalo Ave.
P.O. Box 423
Niagara Falls, NY 14302
(716) 278-6600  Fax (716) 278-6654
Emergency/Technical (716) 278-6763
CHEMTREC (800) 424-9300

2.0 Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>OSHA Exposure Limits (PEL)</th>
<th>ACGIH Rec. Limits (TLV)</th>
<th>Percent by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon Carbide</td>
<td>409-21-2</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
<td>90</td>
</tr>
<tr>
<td>Silicon Dioxide</td>
<td>7631-86-9</td>
<td>80 mg/m³</td>
<td>30 mg/m³</td>
<td>4 - 5</td>
</tr>
<tr>
<td>Free Carbon</td>
<td>7440-44-0</td>
<td>NA</td>
<td>NA</td>
<td>3</td>
</tr>
<tr>
<td>Free Silicon</td>
<td>7440-21-3</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>Iron</td>
<td>7439-89-6</td>
<td>NA</td>
<td>NA</td>
<td>0.5 - 1</td>
</tr>
<tr>
<td>Crystalline Silica (Impurities total less than 1%)</td>
<td>NA</td>
<td>* See Below 0.05 mg/m³</td>
<td>1 - 4</td>
<td></td>
</tr>
</tbody>
</table>

* OSHA PEL for crystalline silica is calculated as:
(Total dust) PEL = 30 mg/m³ * [% quartz + 2(Scotite/Alum) + 2(Tridymite) + 2]

** International Agency for Research on Cancer (IARC) – IARC human carcinogen.

3.0 Hazard Identification/Potential Health Effects

Eye: May irritate eyes.

Skin: Not absorbent through the skin. May cause abrasions.

Ingestion: No known adverse effects, but ingestion not recommended.

Inhalation: May cause coughing or shortness of breath.

4.0 First Aid Measures

Eyes: Wash with large amounts of water. Get medical attention, if needed.

Skin: Wash with water. Obtain first aid or medical assistance if needed.

Ingestion: If swallowed, seek medical attention.

Inhalation: Remove to fresh air, apply artificial respiration as needed. Get medical attention if needed.

5.0 Fire Fighting Measures

Flammable Properties: Non-flammable

Flash Point: None

Fire/Explosion Potential: None

Upper and Lower Flammable Limits: None

Autoignition Temperature: None

Special Fire Fighting Procedures: None

6.0 Accidental Release Measures

Personal Precautions: Wear protective equipment. See Section B.

Cleanup Measures: Normal cleanup procedures. Avoid generating dust. Dispose according to standard landfill methods consistent with applicable Federal, State and Local laws.

7.0 Handling and Storage

Normal Storage: General storage, ambient air temperature and pressure.

8.0 Exposure Controls, Personal Protection

Engineering Control: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below PELs or TLVs.
Respiratory Protection: Recommended if TLVs or PELs are exceeded. Use NIOSH/MSHA approved respirators.
Skin and Hand Protection: Gloves as desired by user.
Eye and Face Protection: Use safety glasses with side shields. If there is potential for exposure to particles which could cause mechanical injury to the eye, wear goggles.

9.0 Physical and Chemical Properties

Appearance: Granular Black or Green
Odor: Odorless
Boiling Point: Sublimes
Flash Point: None
Oxidizing Properties: None
Vapor Density: N/A
Water Solubility: Insoluble
Solubility in other solvent: Fuming KOH, insoluble in most acids

10.0 Stability and Reactivity

Chemical Stability: Stable
Polymerization: Will not occur
Incompatibility: None
Conditions to Avoid: N/A

11.0 Toxicological Information

IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (Vol. 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to humans; IARC Class A

12.0 Ecological Information

Not Available

13.0 Disposal Considerations

Approved landfill in accordance with all local, state and federal regulations.

14.0 Transportation Information

US DOT - Not regulated as a hazardous material.

15.0 Regulatory Information

TSCA - The chemical components of this product are registered under the Toxic Substance Control Act. (Title 40 CFR Part 710).

Prepared By: Margaret A. O'Brien,
Manager, Environmental, Health & Safety

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Washington Mills Electro Minerals Corporation makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations and assumes no liability to any user thereof.