SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Carborundum

Flinn Scientific, Inc.  P.O. Box 219  Batavia, IL  60510  (800) 452-1261
CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Carborundum
Synonym: silicon carbide
CAS#: 409-21-2

SECTION 3 — HAZARDS IDENTIFICATION

Grey, odorless, crystalline powder.
Substance considered nonhazardous. However, not all health aspects of this substance have been thoroughly investigated.

SECTION 4 — FIRST AID MEASURES

Call a physician and seek medical attention for further treatment, observation, and support after first aid.
Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.
Eye: Immediately flush with fresh water for at least 15 minutes.
External: Wash continuously with fresh water for at least 15 minutes.
Internal: Give large quantities of water. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

NFPA CODE
None established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates, and carbonates.
Use and dispense in a hood.
Store in a cool, dry place.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and a chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).
Exposure guidelines: TWA 15 mg/m³ (OSHA)
### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grey, odorless, crystalline powder.</td>
<td></td>
</tr>
<tr>
<td>Solubility: Insoluble in water and alcohol.</td>
<td></td>
</tr>
<tr>
<td>Formula: SiC</td>
<td></td>
</tr>
<tr>
<td>Formula Weight: Varies</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>3.217</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>2000 °C (sublimes)</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td></td>
</tr>
<tr>
<td>Melting Point:</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 10 — STABILITY AND REACTIVITY

Shelf life: Indefinite.

### SECTION 11 — TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Acute effects</th>
<th>ORL-RAT LD₅₀: N.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic effects</td>
<td>IHL-RAT LC₅₀: N.A.</td>
</tr>
<tr>
<td>Target organs</td>
<td>SKN-RBT LD₅₀: N.A.</td>
</tr>
</tbody>
</table>

N.A. = Not available, not all health aspects of this substance have been fully investigated.

### SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

### SECTION 13 — DISPOSAL CONSIDERATIONS

Please consult with state and local regulations.
Flinn Suggested Disposal Method #26a is one option.

### SECTION 14 — TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Shipping Name:</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class:</td>
<td>N/A</td>
</tr>
<tr>
<td>UN Number:</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A = Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (206-991-8).

### SECTION 16 — OTHER INFORMATION

This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.