## Equipment/Physical Hazard SOP

**Equipment Name:**
Bico - Braun Rock Crusher and Pulverizer

**Equipment Application:**
Crushing and Grinding of Rocks and Minerals

**Principal Department & Location:**
Geoscience, Science G011

### Identified Health and Physical Safety Hazards:

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye/Skin Hazards</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Chemical Hazards</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>Crush/Pinch Hazards</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Laceration Hazards</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>Compressed Air Hazards</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>Noise Hazards</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Other</td>
<td></td>
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</tbody>
</table>

### Other/Process Comments:
Equipment produces rock chips and silica dust when in operation.

### Hazard Control Strategies:

#### Engineering Controls:
- **Ventilation Required**: Y N
  - Device operated in hood with draw down HEPA filter
- **Isolation Required**: Y N
- **Wet Methods**: Y N
- **Machine Guarding**: Y N
  - Device uses with guards at 3 belts and point of operation

#### Administrative Controls:
- **Training Required**: Y N
  - Once trained, personnel may operate without direct supervision
- **Signage Required**: Y N

#### Personal Protective Equipment Required (check all that apply):
- Safety glasses
- Chemical goggles
- Face shield
- Apron
- Gloves (type ___________)
- Other (specify) N-95 dustmask

#### Emergency Controls Available:
- Chemical Spill Kit Y N
  - First Aid Kit Y N
- Fire Extinguisher Y N
  - Emergency Shower/Eye Wash Y N

### SOP Completed By:

<table>
<thead>
<tr>
<th>Name</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dave Tewksbury</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>