Material Safety Data Sheet
May be used to comply with
OSHA’s Hazard Communication Standard.
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

IDENTITY (As Used on Label and List):
Alumina (Aluminum Oxide) Al₂O₃ (99-100%)

Section I
Manufacturer’s Name
Omega Engineering
Address (Number/Street/City/State/Zip Code):
P.O. Box 4047
Stamford, CT 06907

Emergency Telephone Number: 203-359-1660
Telephone Number for Information: 203-359-1660
Date Prepared
December 2, 1986
Signature of Preparer (optional):

Section II — Hazardous Ingredients/Identity Information
Hazardous Components (Specific Chemical Identity, Common Names, CAS No.
OSHA PEL ACGIH TLV Other Limits
Alumina (Aluminum Oxide) Al₂O₃ CAS #1344-28-1 20 Mppcf 10 mg/m³ Total dust
(This is a solid article and this data only applies
if the product is dry cut or ground.)

Section III — Physical/Chemical Characteristics
Boiling Point
N/A Specific Gravity (H₂O = 1) 3.80
Vapor Pressure (mm Hg)
N/A Melting Point 3300°F
Vapor Density (Air = 1)
N/A Evaporation Rate
Solubility in Water
No
Appearance and Odor
White to Ivory. No odor.

Section IV — Fire and Explosion Hazard Data
Flash Point (Method Used)
N/A Flammable Limits N/A LE L UEL N/A
Extinguishing Media
N/A
Special Fire Fighting Procedures
N/A

Unusual Fire and Explosion Hazards
Note: Melting point of material is over 3300°F.
### Section V — Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
</tr>
<tr>
<td>Stable</td>
<td>X None</td>
</tr>
</tbody>
</table>

**Incompatibility (Materials to Avoid)**

**Hazardous Decomposition or Byproducts**

**Hazardous Polymerization**

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X None</td>
</tr>
</tbody>
</table>

### Section VI — Health Hazard Data

**Route(s) of Entry:**

- Inhalation: X
- Skin:
- Ingestion:

**Health Hazards (Acute and Chronic):**

This material is a solid article and has no health hazard unless caused to dust by dry cutting or grinding. Have proper ventilation and wear dust mask when cutting or grinding. Wet cutting and/or grinding will prevent dusting of product.

**Carcinogenicity:**

- NTP: No
- IARC Monographs: No
- OSHA Regulated: No

**Signs and Symptoms of Exposure:**

Same as long exposure to any nonhazardous dust.

**Medical Conditions Generally Aggravated by Exposure:**

- Allergies

**Emergency and First Aid Procedures:**

N/A

### Section VII — Precautions for Safe Handling and Use

**Steps to Be Taken in Case Material is Released or Spilled:**

Articles are nonhazardous unless cut and/or ground. These procedures should be done in a water stream and with dust collection. An OSHA approved dust mask should be worn if adequate dust collection is not available.

**Waste Disposal Method:**

N/A

**Precautions to Be Taken in Handling and Storing:**

- Do not drop. Article may shatter.

**Other Precautions:**

- None

### Section VIII — Control Measures

**Respiratory Protection (Specify Type):**

N/A

**Ventilation:**

- Local Exhaust
- Mechanical (General)

**Protective Gloves:**

N/A

**Eye Protection:**

N/A

**Other Protective Clothing or Equipment:**

N/A

**Work/Hygienic Practices:**

N/A