Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard

IDENTITY
ECONALUM, foil and sheet

Section I
Manufacturer's Name: HORIZONS INCORPORATED, Metalphoto Division
Emergency Telephone Number: (216) 475-0555
Address: 18531 South Miles Road
Telephone Number for Information: (216) 475-0555
Cleveland, OH 44128
Date Prepared: 5/21/2003
Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity; Common Name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum sheet CAS 7429-90-5 (only hazardous as dust)</td>
<td></td>
<td></td>
<td></td>
<td>80-99</td>
</tr>
<tr>
<td>Aluminum oxide CAS 1344-28-1 (only hazardous as dust)</td>
<td></td>
<td></td>
<td></td>
<td>1-20</td>
</tr>
</tbody>
</table>

*Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title II.

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation rate (Butyl Acetate = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Nil</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Metal plates, odorless.</td>
</tr>
</tbody>
</table>

Section IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL</td>
<td>N/A</td>
</tr>
<tr>
<td>UEL</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Extinguishing Media
Not Flammable

Special Firefighting Procedures
None

Unusual Fire and Explosion Hazards
None Known
Section V - Reactivity Data

| Stability   | Unstable | Conditions to Avoid
|            | None     |
|-------------|----------|---------------------|
|             | Stable   | ×                   |

Incompatibility (Materials to Avoid)
None known

Hazardous Decomposition or Byproducts
None expected

| Hazardous Polymerization | May Occur | Conditions to Avoid
|                        | None      |

| Hazardous Polymerization | Will Not Occur |
|                        | ×           |

Section VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry:</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not expected</td>
<td>Not expected</td>
<td>Not expected</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic)
None known

Carcinogenicity:
NTP?
IARC Monographs?
OSHA Regulated?
NO
NO
NO

Signs and Symptoms of Exposure
None known

Medical Conditions
Generally Aggravated by Exposure
None known

Emergency and First Aid Procedure
None expected

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled
N/A

Waste Disposal Method
N/A

Precautions to be Taken in Handling and Storage
None

Other Precautions
None

Section VIII - Control Measures

Respiratory Protection (Specify Type)
Not normally required

Ventilation
Local Exhaust
Not required
Special
None

Mechanical (General)
Not required
Other
None

Protective Gloves
Rubber, if desired.
Eye Protection
Safety glasses, if desired.

Other Protective Clothing or Equipment
Not normally required

Work/Hygienic Practices
NORMAL PERSONAL HYGIENE (CLEANLINESS) IS SATISFACTORY.