SECTION 1: IDENTIFICATION

Material Name: Aluminum extrusions, anodized.

Alloy Code: 6XXX Series

Product Use Description: Various aluminum parts and products.

Manufacturer: Aluminum Shapes, LLC
9000 River Road
Delair, NJ 08110

Phone Number: 856.662.5500
Emergency Contact Number: Chemtrec - 800.424.9300 (24-Hour Emergency Line)

SECTION 2: HAZARD IDENTIFICATION

Classifications: Classification: (GHS-US) Not Classified

Pictograms: No Labeling Applicable

Signal Word: N/A

Hazard Statement: Anodized Aluminum is physiologically inert in its solid form. If Aluminum anodized dust and/or fumes are inhaled or ingested it may pose a physiological hazard. Avoid inhalation of metal dusts and fumes. It may cause an influenza-like illness. Avoid skin and eye contact with dusts to prevent irritation. Aluminum anodized dust is easily ignited and difficult to extinguish. Anodized Aluminum contains components that are environmentally hazardous and small chips, fine turnings, and dust from processing may be toxic to aquatic life.

Precautionary Statement: Halogen acids and sodium hydroxide in contact with aluminum may generate explosive mixtures of hydrogen. The welding of aluminum alloys may generate carbon monoxide, carbon dioxide, ozone, nitrogen oxides, infra-red radiation and ultra-violet radiation. Dust and fumes from processing can cause irritation of the eyes, skin, and upper respiratory tract.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Material Name: Aluminum extrusions, anodized.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>96 to 99</td>
</tr>
<tr>
<td>Zinc</td>
<td>7440-66-6</td>
<td>&lt; or = 6.5</td>
</tr>
<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>&lt; or = 1.5</td>
</tr>
<tr>
<td>Magnesium</td>
<td>7439-95-4</td>
<td>&lt; or = 1.2</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>&lt; or = 0.5</td>
</tr>
</tbody>
</table>

Additional Information: Exact composition will vary. Generic composition is provided above and may include components classified as non-hazardous.

SECTION 4: FIRST-AID MEASURES

Eye Contact: Wash eye with large volumes of water or saline for fifteen (15) minutes. If irritation persists, consult a physician. Removal of solidified molten material from the eyes requires medical assistance.

Skin Contact: Wash with soap and water for at least fifteen (15) minutes. If irritation develops or persists, consult a physician. Cool skin rapidly with cold water after contact with molten product. Removal of solidified molten material from skin requires medical assistance.
Inhalation: Remove to fresh air. If difficulty breathing initiate oxygen support. If unconscious check for clear airway, respirations, and pulse. If no pulse or respirations perform Cardiopulmonary Resuscitation (CPR). Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Use Class D extinguishing agents on fines, dust or molten metal. Dry chemical recommended. DO NOT use halogenated extinguishing agents on small chips/fines. DO NOT USE water in fighting fires around molten metal.

Precautionary Statement & Unusual Fire & Explosion Hazards: Molten aluminum, in the presence of water, is very unstable. Do not use water to extinguish where there is a possibility of molten aluminum being present. Dust, chips, or ribbons can be ignited more easily by ignition source, by improper machining, or by spontaneous combustion if finely divided and damp.

Flash Point/LEL: Unknown / Product is not explosive

Other: See NFPA-491M Guideline for specific incompatible materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Solid: Prevent entry to sewers and public waters. Contain and collect as any solids. Equip cleanup crew with proper protection. Wear protective clothing, gloves and eye/face protection. Use clean non-sparking tools to collect material and place it into loosely covered plastic containers for disposal.

Molten: In the event material is released or spilled, contain the flow using dry sand or salt flux. Do not use shovels or hand tools to halt the flow or molten aluminum. Allow the material to cool. Notify authorities if liquid enters sewers or public waters.

SECTION 7: HANDLING AND STORAGE

Handling/Storage: Product should be kept dry. Avoid generating dust. Product dust is combustible. Avoid contact with sharp edges or heated metal. Always wash hands and forearms thoroughly after handling. Store in original container. Store in dry protected location. Keep away from heat and flame.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: If threshold limit values are exceeded, use NIOSH approved dust or fume respirator depending on contaminants and concentrations present.

Ventilation: Exhaust if threshold limit values are exceeded.

Protective Gloves: Wear chemically resistant protective gloves

Eye Protection: Safety glasses, chemical goggles, or face shield.

Other Protective Equipment: Wear suitable protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Color may vary based on anodizing process (e.g. clear, champagne, bronzes, black, etc.).

Form: Solid

Odor: Odorless

Odor Threshold: N/A

Vapor Pressure: N/A

Vapor Density: N/A

pH: N/A

Relative Density: N/A

Melting Point/Freezing Point: 1050-1210°F (551.7-654.4°C)

Solubility (Water): Insoluble

Density: 0.097 – 0.098 lb/in³ (2.69 – 2.7 g/cm³)

Boiling Point/Freezing Point: N/A
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammability Limits In Air, Upper % By Volume</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammability Limits In Air, Lower % By Volume</td>
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</tr>
<tr>
<td>Relative Density</td>
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</tr>
<tr>
<td>Partition Coefficient</td>
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</tr>
<tr>
<td>Auto-Ignition Temperature</td>
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</tr>
<tr>
<td>Decomposition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**SECTION 10: STABILITY AND REACTIVITY**

- **Stability:** Stable under normal conditions of use, storage, and transportation. Melted aluminum may react violently with chemical oxidizers or water.
- **Reactivity:** None in solid state
- **Hazardous Polymerization:** Will not occur
- **Conditions to Avoid:** Heat and moisture. See Section 2 for additional information.
- **Hazardous Decomposition Products:** Under conditions of fire this material may produce: Oxides of aluminum

**SECTION 11: TOXICOLOGICAL INFORMATION**

- **Effects and Symptoms of Overexposure:** High exposure may produce irritation of the eyes and respiratory tract. If exposures for aluminum oxide are kept below the threshold limit values the alloy components should not present any health hazard risk.

**SECTION 12: ECOLOGICAL INFORMATION**

- **Avoid release to the environment**

**SECTION 13: DISPOSAL CONSIDERATIONS**

- **Waste Disposal Method:** For disposal of this material as a waste, act in accordance with all applicable Federal, State, and Local waste management regulations. Recycling of aluminum scrap is encouraged by the industry. Do not empty into drains

**SECTION 14: TRANSPORT INFORMATION**

- **N/A**

**SECTION 15: REGULATORY INFORMATION**

- **N/A**

**SECTION 16: OTHER INFORMATION**

Information herein is given in good faith as authoritative and valid. However, no warranty, expressed or implied, can be made. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control 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 the product.