SECTION I  Material Description

DATE:  11/04/1985   REVISION DATE:  09/01/2007    MSDS 001

MANUFACTURER:  Aleris Rolled Products
               25825 Science Park Drive, Ste 400
               Beachwood, OH 44122-7392

TELEPHONE NUMBER:  (866) 266-2586

TRADE NAME:  Aluminum Coil or Flat Sheet

PRODUCT CLASS:  Aluminum Alloy

IDENTIFICATION:  N/A

MANUFACTURERS CODE:  1100, 1145, 1350, 3003, 3004, 3104, 3105, 3204, 3304, 7021, 7072, 8111,
                      and BH22     (See Commercial Sales Note)

SECTION II  Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percent</th>
<th>Chemical Abstracts Number (CAS)</th>
<th>TLV mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>&gt;92.10</td>
<td>7429-90-5</td>
<td>5</td>
</tr>
<tr>
<td>Magnesium</td>
<td>&lt;02.05</td>
<td>7439-95-4</td>
<td>10</td>
</tr>
<tr>
<td>Zinc</td>
<td>&lt;05.85</td>
<td>7440-66-6</td>
<td>-</td>
</tr>
<tr>
<td>Manganese</td>
<td>&lt;01.50</td>
<td>7439-96-5</td>
<td>5 (ceiling)</td>
</tr>
</tbody>
</table>

Contains no additional alloys above 1%. Consult manufacturer for specific properties if additional information is required.

SECTION III  Physical Data

MELTING RANGE:  950-1150°F  VAPOR DENSITY:  Unknown

EVAPORATING RATE:  Unknown  PERCENT VOLATILE BY VOLUME:  Unknown

APPEARANCE AND ODOR:  Dull or Silver Metallic color, no odor.
SECTION IV  Fire and Explosion Hazard Data

FLASH POINT: Unknown  
LEL: Unknown

EXTINGUISHING MEDIA: Use extinguishing agent appropriate for combustible materials in area. Dry chemical recommended.

UNUSUAL FIRE AND 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. Finely divided aluminum will form explosive mixtures in air.

SECTION V  Health Hazard Data

EFFECTS OF OVEREXPOSURE: High exposures may produce irritation of the eyes and respiratory tract. If exposures for aluminum oxide are kept below the TLV's the alloy components should not present any health risk. Welding or cutting aluminum may generate ozone. Overexposure to ozone can cause mucous membrane irritation and pulmonary changes including irritation, congestion and edema.

EMERGENCY AND FIRST AID PROCEDURES: Eye contact: wash eyes with large volumes of water for 15 minutes. If irritation persists seek medical attention. Skin contact: wash with soap and water. Inhalation: remove to fresh air and initiate appropriate respiratory support. Consult a physician. Ingestion: extremely unlikely.

CARCINOGENICITY: This material is not considered to be carcinogenic as currently listed by the NTP, IARC, or OSHA.

SECTION VI  Reactivity Data

STABILITY: Stable  
HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: See section IX.

MATERIALS TO AVOID: Aluminum fines are attacked by strong acids and alkalis and by some halogenated organic compounds especially at elevated temperatures. Operations generating aluminum fines may produce hydrogen gas when exposed to moisture. See NFPA guideline #491M for specific incompatible materials.

HAZARDOUS DECOMPOSITION PRODUCTS: None
SECTION VII  Spill or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: No special procedure.

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.

SECTION VIII  Special Protection Information

RESPIRATORY PROTECTION: If TLV’s exceeded, use NIOSH approved dust or fume respirator depending on contaminants and concentrations present.

VENTILATION: Local exhausts if TLV’s exceeded.

PROTECTIVE GLOVES: Recommended while handling sheet or coil.

EYE PROTECTION: Safety glasses or goggles depending on prevailing hazard.

OTHER PROTECTIVE EQUIPMENT: None

SECTION IX  Special Precautions

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: None under normal conditions of use and storage.

OTHER PRECAUTIONS: Halogen acids and sodium hydroxide in contact with aluminum may generate explosive mixtures of hydrogen.

Do not touch cast aluminum metal or heated aluminum product without knowing metal temperature. Aluminum experiences no color change during heating. If metal is hot and touched, burns can result.

The welding of aluminum alloys may generate carbon monoxide, carbon dioxide, ozone, nitrogen oxides, infrared radiation and ultra-violet radiation.

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Commercial Sales Note: Check with your Commonwealth Aluminum Sales Associate for specific Alloy availability.