

**MATERIAL SAFETY DATA SHEET**

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**Vendor Update:** 11/13/2002  
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**MSDS Number:** 35035 ; 35036 ; 3934 ; 3934BRZ ; 3935 ; 3935BRZ ; 3936 ; 3936BRZ ; 3937 ; 3937BRZ ; 3938 ; 3939 ; 3939BRZ ; 3940 ; 3941 ; 3941A ; 3942 ;

**I. CHEMICAL PRODUCT IDENTIFICATION**

**Product Name:** ALUMINIUM ALLOY  
**HMIS Ratings:**  
**NFPA Ratings:**

Health: Minimal(0)  
 Flammability: Slight(1)  
 Instability/Reactivity: Minimal(0)  
 Personal Protective Equipment: U

**II. COMPOSITION, INFORMATION ON INGREDIENTS**

<b>Chemical Ingredients</b>	<b>C.A.S. Number</b>	<b>% By Weight</b>	<b>ACGIH TLV TWA/STEL</b>	<b>OSHA PEL TWA/STEL</b>	<b>Other TWA/STEL</b>	<b>LD50</b>	<b>LC50</b>
MAGNESIUM	7439-95-4	0.6	15 MG/M <sup>3</sup>	10 MG/M <sup>3</sup>			
<b>Notes</b>							
ALUMINUM	7429-90-5	99.7	10 MG/M <sup>3</sup>	10 MG/M <sup>3</sup>			
<b>Notes</b>							
MANGANESE	7439-96-5	0.4 - 1.6	15 MG/M <sup>3</sup>	10 MG/M <sup>3</sup>			
<b>Notes</b>							
<b>Other:</b>	NONE OF THESE INGREDIENTS ARE LISTED AS A CARCINOGEN BY NTP, IARC OR OSHA.						

**III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY**

**Eyes:** MAY IRRITATE EYES WHEN WELDING OR PLASMA CUTTING.  
**Skin:** NOT LIKELY  
**Ingestion:** NOT LIKELY  
**Inhalation:** ACUTE: NOT LIKELY UNLESS MATERIAL MACHINED, WELDED OR REMELTED, SHORT TERM OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF THROAT AND NOSE.

**Medical Conditions Aggravated by Exposure:**

**IV. FIRST AID MEASURES**

**Eyes:** FOR EYE CONTACT, FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

**Skin:** FOR SKIN CONTACT, REMOVE PARTICLES BY THOROUGHLY WASHING WITH SOAP AND WATER.

**Ingestion:** NOT AVAILABLE

**Inhalation:** NOT AVAILALBE

#### V. FIRE FIGHTING MEASURES

**Flash Point:** 2000°F

**Test Method:** UNKNOWN

**Lower Flammability Limit:** NOT AVAILABLE

**Upper Flammability Limit:** NOT AVAILABLE

**Extinguishing Agents:** COVER FIRE WITH SAND, MAT, OR FLAX (BURLAP) SACKS. WATER SPRAY IS DANGEROUS IN EARLY STAGE OF FIRE.

**Unusual Fire or Explosion Hazards:** DAMP ALUMINUM DUST MAY SPONTANEOUSLY HEAT WITH LIBERATION OR HYDROGEN TO FORM EXPLOSIVE AIR MIXTURES.

**Fire Fighting Procedures:** DO NOT USE WATER OR FOAM.  
SMALL FIRE: DRY CHEMICAL, SODA ASH, LIME OR SAND.  
LARGE FIRE: WITHDRAW FROM AREA AND LET FIRE BURN.

#### VI. ACCIDENTAL RELEASE MEASURES

**Containment/Cleanup:** NOT AVAILABLE

#### VII. HANDLING AND STORAGE

**Other:** NOT AVAILABLE

#### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** EYE PROTECTION

**Skin:** PROTECTIVE GLOVES

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** METALLIC APPEARANCE

**Boiling Point:** 4442 °F

**pH:** NOT AVAILABLE

**Solubility in Water:** NIL

**Specific Gravity:** 0

**Vapor Pressure:** NOT AVAILABLE

**Vapor Density:** NOT AVAILABLE

**Physical State:** SOLID

**Other:** EVAPORATION RATE: NOT AVAILABLE

#### X. STABILITY AND REACTIVITY

**Stability:** UNSTABLE

**Hazardous Polymerization:** WILL NOT OCCUR;  
CONDITIONS TO AVOID: HAZARDOUS  
POLYMERIZATION  
HAZARDOUS POLYMERIZATION POSSIBLE: NO

**Incompatible Products:** ANHYDROUS BROMINE, HALOCARBONS,  
MERCURY (AMALGON), CHLORINE, IODINE,  
(ALUMINUM+BARIUM, NITRATE+BARIUM,  
NITRATE+K POTASSIUM,  
NITRATE+SULFUR+ORGANIC MATTER.

**Conditions To Avoid:** INSTABILITY  
IS THIS CHEMICAL STABLE UNDER NORMAL  
CONDITIONS OF HANDLING/STORAGE? YES.

#### XI. TOXICOLOGICAL INFORMATION

#### XII. ECOLOGICAL INFORMATION

**Ecotoxicity:**

#### XIII. DISPOSAL CONSIDERATIONS

#### XIV. TRANSPORT INFORMATION

**Other:** UN/NA NUMBER: SOLID

#### XV. REGULATORY INFORMATION

**Supplemental State Compliance Information:**

#### XVI. OTHER INFORMATION

#### WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.