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MATERIAL SAFETY DATA SHEET

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Supersedes All Previous Publications

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=====**SECTION 1 PRODUCT INFORMATION**=====

PRODUCT NAME AND SYNONYMS: **TERMINATION BAR**

CHEMICAL FAMILY: AL

=====**SECTION II INGREDIENTS AND HAZARDS**=====

INGREDIENT	PERCENT Mg/M ³	HAZARD DATA
Cobalt, Co	0.1	
Copper, CU	0.2	As Fume
Iron, Fa	10.0	As Fume
Magnesium, Mg	15.0	As Fume
Manganese, Mn	1.0	As Fume
Silicon, Si	10.0	As Total Dust
Silicon, Si	5.0	As Respirable Dust
Tin, Sn	2.0	As Oxide and Metal
Zinc, Zn	5.0	As Fume

=====**SECTION III PHYSICAL DATA**=====

Boiling Point at 1 atm, deg. F;	NA	Specific Gravity (H ₂ O=1)	2.5-2.9
Vapor Pressure at (mm Hg)	NA	Evaporation Rate:	NA
Vapor density (Air=1)	NA	Volatiles Percent by Volume:	—
Water Solubility:	NA	Molecular Weight:	—
Appearance and Odor:		Metallic Appearance, No Odor	

=====**SECTION IV FIRE AND EXPLOSION HAZARD DATA**=====

Flash Point & Method NA Autoignition Temp NA Flammability Limits in Air LOWER: NA UPPER: NA

Extinguishing media: Dry Powder or Sand
Special fire fighting procedures: Do not use water or halogen
Unusual fire and explosion hazards: Damp aluminum dust may spontaneously heat with liberation of hydrogen to form explosive air mixtures.

=====**SECTION V HEALTH HAZARD INFORMATION**=====

TLV (mg/m³): 10% as metal dust and oxide 5% as welding fume

Effects of overexposure: See inhalation

FIRST AID:

Eye contact: Flush with water for at least 15 minutes. Get medical attention if irritation persists.

Skin contact: Remove particles with soap and water.

Inhalation: 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.

Ingestion: Not likely.

=====SECTION VI REACTIVITY DATA=====

Stability: Stable (X) Unstable ()

Conditions to Avoid: See Fire and Explosion, Section IX

Incompatibility (Materials to Avoid): Anhydrous Bromine

Conditions to Avoid: See Special Precautions Section IX

=====SECTION VII SPECIAL PROTECTION INFORMATION=====

Respiratory Protection (Specify Type): As required (see Special Precautions)
Appropriate personal protective equipment is required when melting, casting, machining, forging, or otherwise processing. The nature of processing activity will determine what form of equipment is necessary, i.e., glasses, respirator, protective clothing and ear protection .

Ventilation: See Special Precautions, Section IX

Local Exhaust: See Special Precautions, Section IX

Mechanical (General): As Required

Special: See Special Precautions, Section IX

Other: As Required

Protective Gloves: As Required

Eye Protection: Safety Glasses, OSHA Approved

Other Protective Equipment and Precautions: As Required

=====SECTION VIII SPECIAL PRECAUTIONS AND COMMENTS=====

Storage and Handling Information: Halogen acids and sodium hydroxide in contact with aluminum may generate explosive mixtures of hydrogen. Finely divided aluminum will form explosive mixtures in air, it will also form explosive mixtures in air in the presence of bromates, iodates, or ammonium nitrate.

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

Other Precautions: When remelting aluminum scrap entrapped moisture or the presence of strong oxides such as ammonium nitrate could cause an explosion. This applies to the collection of moisture in saw cavities as well. Moisture must be driven off prior to remelting. Aluminum experiences no color change during heating. If metal is hot and torched, burn can result.

Dot Classification: Aluminum powder must be packaged and shipped as flammable solid: UN 1396.

=====SECTION IX PREPARATION INFORMATION=====

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

Prepared By: 2001 Inc.