

SECTION I		NAME				
Product	Aluminum Metal	CHEMTREC 800-424-9300 Day (800) 256-2586	HEALTH	0		
Chemical Synonyms			FLAMMABILITY	0		
Formula	Al		REACTIVITY	0		
RTECS #	—		HAZARD RATING			
C.A.S. No.	7429-90-5	LEAST	SLIGHT	MODERATE	HIGH	EXTREME
		0	1	2	3	4

SECTION II			HAZARDOUS INGREDIENTS OF MIXTURES		
Principal Hazardous Component(s)	%	TLV Units			
NA = Not Applicable					
NE = None Established					

SECTION III				PHYSICAL DATA			
Melting Point (°F)	660°C	Specific Gravity (H ₂ O = 1)	2.70				
Boiling Point (°F)	2467°C	Percent Volatile by Volume (%)	0				
Vapor Pressure (mm Hg)	NA	Evaporation Rate (= 1)	NA				
Vapor Density (Air = 1)	NA						
Solubility in Water	Insoluble						
Appearance and Odor	Silvery, odorless metallic solid.						

SECTION IV					FIRE AND EXPLOSION HAZARD DATA				
Flash Point (Method Used)	NA		Flammable Limits in Air % by Volume	Lower	Upper				
Extinguisher Media	Any suitable for surrounding fire.								

SPECIAL FIREFIGHTING PROCEDURES	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.
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UNUSUAL FIRE AND EXPLOSION HAZARDS	Not considered a fire/explosion hazard.
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D.O.T.	Not regulated
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-174

SECTION V		HEALTH HAZARD DATA	
Threshold Limited Value	10 mg/m³ TWA		
Effects of Overexposure	Acute: Essentially non hazardous. Dusts may irritate eyes and lungs. Chronic: None Known.		

Emergency and First Aid Procedures	SKIN: Wash exposed area with soap and water. Get medical advice if irritation occurs. EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. INHALATION: Not expected to require first aid measures. INGESTION: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician immediately.
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SECTION VI				REACTIVITY DATA			
Stability	Unstable		Conditions to Avoid	None			
	Stable	X					
Incompatibility (Materials to avoid)	Mercury, halocarbons, halogens, many acids, caustics.						
	Formation of hydrogen gas possible.						
Hazardous Decomposition Products							
Hazardous Polymerization		Conditions to Avoid		None			
May Occur	Will Not Occur						
	X						

SECTION VII		SPILL OR LEAK PROCEDURES	
Steps to be taken in case material is released or spilled	Sweep up.		

Waste Disposal Method	Recycle or landfill according to regulations.
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Discharge, treatment, or disposal may be subject to federal, state, or local laws.

SECTION VIII						SPECIAL PROTECTION INFORMATION					
Respiration Protection (Specify Type)		None needed normally.									
Ventilation	Local Exhaust			X	Special						
	Mechanical (General)			X	Other						
Protective Gloves		Vinyl or Rubber			Eye Protection		Safety glasses				
Other Protective Equipment		Lab coat									

SECTION IX		SPECIAL PRECAUTIONS	
Precautions to be Taken in Handling and Storing	Store in a dry location.		
Keep container tightly closed when not in use.			
Other Precautions	Read label on container before using.		
Conditions Aggravated/Target Organs: None known.			

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No.	3	Date	4/26/88	Approved	K. Kuchel	Chemical Safety Coordinator	RMC
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