## KAISER ALUMINUM CORPORATION

300 LAKESIDE DRIVE, OAKLAND, CALIFORNIA 94643



Company Plant Kaiser Aluminum Corporation	Revised 9/1/89	Identification Number KDS-6a
Trade Name (Common Name or Synonym) Aluminum Alloys Containing Lith	Emergency Phone Number	
Chemical Name Aluminum	Formula AI-LI	DOT Identification Number NA

Material or Compor BASE METAL	CAS NUMBER	COMPOSITION BY WEIGHT	ACGIH TWA (mg/m³)		OSHA 1910.1000 TWA (mg/m³)		WISHA PEL (mg/m³)	AIHA Recommende Limit (mg/m³)
Aluminum, Al	7429-90-5	80-99.7	10.0, as metal dust and oxide 5.0, as welding fume		s total dust s respirable fraction		as metal dust and oxide as welding fume	=
ALLOYING ELEMENT	MAXI CAS NUMBER	MUM % COMPOS BY WEIGHT 0.1~10.0	SITION ACGIH TWA (mg/m³)		OSHA 1910.1000 TWA (mg/m³)		WISHA PEL (mg/m³)	AIHA Recommende Limit (mg/m³)
Cobalt, Co Copper, Cu	7440-48-4 7440-50-8	W	0.05, as dust and fume     0.2, as fume     1.0, as dust	0.1,	as fume and dust as fume as dust	0.1,	, as fume and dust as fume as dust	Ξ
Iron, Fe Lithium, Li	1309-37-1 7580-67-8	w	5.0, as oxide fume Not established		as oxide dust and fume ablished		as oxide dust and fume stablished	1.0, as lithium oxide/hydroxide, one minute TWA
Magnesium, Mg	1309-48-4	w	10.0, as oxide fume	5.0,	as total dust oxide fume as respirable fraction oxide fume	10.0, 5.0,		
Manganese, Mn	7439-96-5	w	1.0, as fume 3.0 STEL, as fume 5.0, as dust		as fume	5.0,	Ceiling	=8
Silicon, Si	7440-21-3	W	10.0, as total dust		as total dust as respirable fraction	10.0,		7
Silver, Ag Tin, Sn Zinc, Zn	7440-22-4 7440-31-5 1314-13-2	W W	0.1, as metal 2.0, as oxide and metal 5.0, as oxide fume 10.0 STEL, as oxide fume 10.0, as total dust	0.01, 2.0, 5.0, 10.0, 5.0,	as metal dust and fume as oxide as oxide fume as zinc oxide total dust as zinc oxide respirable fraction	0.01 2.0, 5.0,	, as metal	=
P = Pri STEL = Sh TWA = Tir		verage	m the welding VII, #8 for residual lub	of alumi commer pricant cor	num alloys may produce nts concerning aluminu	the p m scra atic hy	variations of the alloys sho products listed in Section ap. Certain products may drocarbons. An allowable	VII, #7. See Section y be coated with

### II. PHYSICAL DATA

Material is (At Normal Conditions):  ☐ Liquid ☒ Solid ☐ Gas ☐ Other				Appearance and Odor Metallic appearance; no odor		
Acidity/Alkalinity pH = NA	Melting Point Boiling Point	950-1215 °F NA °F	100000000000000000000000000000000000000	Gravity ( $H_2O = 1$ ) 2.5-2.9 in water (% by weight) $\Pi$	Vapor Pressure (mm Hg at 20°C) NA	

#### III. PERSONAL PROTECTIVE EQUIPMENT

Appropriate personal protective equipment is required when melting, casting, machining, forging, or otherwise processing. The nature of the processing activity will determine what form of equipment is necessary, i.e., glasses, respirator, protective clothing, and ear protection.

# IV. EMERGENCY MEDICAL PROCEDURES

For skin contact, remove particles by thoroughly washing with soap and water. For eye contact, flush with water for at least 15 minutes. Get medical attention if irritation persists. For inhalation, remove from exposure. Get medical attention if experiencing breathing difficulty.