

MATERIAL SAFETY DATA SHEET

Date Prepared: October 13, 1988

Emergency Phone No. 214/590-5000

File No. MSDS8/3

Identity: AK-1 Aluma-Weld Kit 0386-0423, Rod

Victor Equipment Company
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This MSDS is based on air/fuel or oxy/fuel process. There may be other cautions for electric process.

SECTION II - Hazardous Ingredients/Identify Information

Hazardous Components	(Specific Chemical Identity)	Common Name(s)	mg/m ³	mg/m ³	OTHER LIMITS
			OSHA PEL	ACGIH TLV	RECOMMENDED
Aluminum, AL		Total Dust	N/A	10.0	N/A
Aluminum, AL		Fume	N/A	5.0	N/A
Silicon		Nuisance Dust	15.0 TOTAL	10.0 TOTAL	N/A
				5.0 Respirable Fraction	

SECTION III - Physical/Chemical Characteristics

Boiling Point - N/A | Vapor Pressure (mmHg) - N/A | Vapor Density (AIR=1) - N/A | Solubility in Water - None
 Melting Point - 970°F-1215°F | Evaporation Rate (Butyl Acetate=1)N/A | Appearance & Odor - Silvery color, no odor

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	N/A						
Special Fire Fighting Procedures	Product is non-flammable						

Unusual Fire and Explosion Hazards: Product is not an explosion hazard

SECTION V - Reactivity Data

Stability	Unstable	X	Conditions to Avoid: This product is stable without any serious incompatibilities.
	Stable		
Incompatibility (Materials to Avoid)	N/A		
Hazardous Decomposition or Byproducts:	N/A		
Hazardous Polymerization	May Occur	N/A	Conditions to Avoid: N/A
	Will not Occur	N/A	

SECTION VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
		Not an irritant	none expected

Health Hazards (Acute and Chronic)

Controlling the total welding fumes to 5 mg/m^3 will protect against over exposure to most alloy constituents. Exposure to welding fumes can also cause irritation or flash burns to the eyes and skin.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure: N/A

Emergency and First Aid Procedures: If irritation or pulmonary symptoms develop or if irritation of the skin or eyes develop, consult a physician.

SECTION VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Collect scrap for remelting.

Waste Disposal Method:

Waste which cannot be reused or recycled may be disposed of in a sanitary landfill.

Precautions to Be Taken in Handling and Storing: RCRA hazardous waste not federally regulated.

Other Precautions: None

SECTION VIII - Control Measures

Use with adequate ventilation to meet the exposure limits as listed in Section II. Where the exposure limit is or may be exceeded, use NIOSH approved respiratory protection. Select the appropriate respirator (fume respirator, etc.) based on concentrations of actual or potential airborne contaminants present. Welders should use appropriate equipment (i.e. welder's helmet, faceshield, filter lens, etc.) to prevent eye irritation or flesh burns. Refer to OSHA 2.9 CFR 1910.252 for additional precautions concerning eye protection, other personal protective equipment, and other safety precautions.

Use NIOSH approved respiratory protection where PEL requirements are or may be exceeded. Select the appropriate respiratory protection (high efficiency dust and fume respirator, supplied-air respirator, etc.) based on the actual or potential airborne contaminants, their concentrations present, and the protection factor of the respirator.