

MATERIAL SAFETY DATA SHEET

No. J79-196, Rev. E
Dated 1/1/06



Section 1. COMPANY AND PRODUCT IDENTIFICATION

Manufacturer's Name: Ampco Metal Incorporated

Address: 1117 E. Algonquin Rd.
Arlington Heights, IL 60005

Telephone Number: 847-437-6000 (U.S.A.), 7:30 AM – 5:00 PM
(Central or Central Daylight Time)

Material Name: **Copper Base Alloy Covered Welding Electrodes**

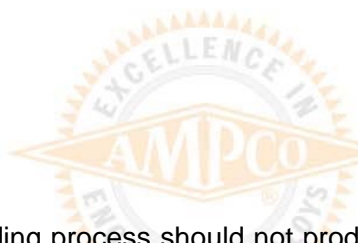
NOTE: Material Safety Data Sheet MSDS J79-195 covers the metallic portion of this MSDS..

Section 2. COMPOSITION/INFORMATION ON COMPONENTS

METALLIC MATERIAL: The metallic material portion of the covered welding electrodes is contained in MSDS J79-195 (latest revision) which forms a part of this document.

COATING MATERIAL:

Component	CAS Number	Percent	OSHA PEL	ACGIH-TLV
			8-Hr TWA	8-Hr TWA
			Milligrams Per Cubic Meter	
Sodium Silicate	6834-92-0	26.9	None	None
Cryolite (as Flouride)	15096-52-3	51.0	2.5	2.5
Petroleum Coke	64743-05-1	1.8	None	None
Magnesite	546-93-0	5.1	None	None
Silica Sand	7631-86-9	3.2	$\frac{10}{\%SiO_2+2}$	0.1
Feldspar Nuisance Dust Respirable		2.7	None 15 5	None



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The decomposition of this coating during the welding process should not produce levels of the above components in amounts above the permissible exposure limit. However, if use in improperly ventilated or exhausted areas should generate fumes, vapors or dust, use approved (NIOSH) respirators only.

Flourides are highly irritating to the eyes, nose and throat. Overexposures have been associated with cumulative bone damage. Long-term silica exposure is associated with a lung disease called silicosis. The degree of the hazard depends upon the concentration, size and length of exposure.

Incomplete combustion may produce carbon monoxide and/or carbon dioxide: odorless, colorless gases which are asphyxiants.

None of the coating components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

This material is classified as not hazardous under OSHA regulations.

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and
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