DPM 689

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: Metallizing Company of America, Inc.	EMERGENCY TELEPHONE NO.: (217)728-7321
ADDRESS (Number, Street, City, State, and ZIP Code): 321 S. Hamilton St., Sullivan, Illinois 61951	
CHEMICAL NAME AND SYNONYMS: n/a	TRADE NAME AND SYNONYMS: MOGUL A.I. Bronze
CHEMICAL FAMILY: n/a	FORMULA: Cu-Al-Fe

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS		%	TLV (Units)	ALLOYS AND METALLIC COATINGS		%	TLV (Units)
PIGMENTS	n/a			BASE METAL	n/a		
CATALYST	n/a			ALLOYS	n/a		
VEHICLE	n/a			METALLIC COATINGS	n/a		
SOLVENTS	n/a			FILLER METAL PLUS COATING OR CORE FLUX		100	
ADDITIVES	n/a			OTHERS	use with adequate		
OTHERS	n/a				ventilation		

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	n/a	SPECIFIC GRAVITY (H_2O=1)	n/a
VAPOR PRESSURE (mm Hg.)	n/a	PERCENT, VOLATILE BY VOLUME (%)	n/a
VAPOR DENSITY (AIR=1)	n/a	EVAPORATION RATE (_____ =1)	n/a
SOLUBILITY IN WATER	n/a		

APPEARANCE AND ODOR: Odorless. Filler metal bronze color.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): n/a	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA: n/a			
SPECIAL FIRE FIGHTING PROCEDURES: n/a			
UNUSUAL FIRE AND EXPLOSION HAZARDS: none			

(Continued on reverse side)

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
see section II

EFFECTS OF OVEREXPOSURE
fumes from spraying may cause chills

EMERGENCY AND FIRST AID PROCEDURES
move to well ventilated area and call physician

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	x	

INCOMPATABILITY *(Materials to avoid)*
none

HAZARDOUS DECOMPOSITION PRODUCTS
none

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

n/a

WASTE DISPOSAL METHOD

n/a

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
none with adequate local ventilation

VENTILATION	LOCAL EXHAUST	SPECIAL
	regular	
	MECHANICAL *(General)* general area to have adequate ventilation	OTHER

PROTECTIVE GLOVES	EYE PROTECTION
flameproof	welding helmet over safety glasses if sprayed in an arc

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
none

OTHER PRECAUTIONS

see ANSI Standard Z49.1 - 1967, Safety in Welding and Cutting