

MUELLER BRASS CO.
MATERIAL SAFETY DATA SHEET
BRASS ALLOYS

COMPANY PLANT Mueller Brass Co. 1925 Lapeer Avenue Port Huron, MI 48060	ISSUE DATE October 17, 1985	IDENTIFICATION NUMBER N/A
TRADE NAME (Common Name or Synonym) BRASS ALLOYS	EMERGENCY PHONE NUMBER (313) 987-4000	
CHEMICAL NAME CU - ZN ALLOYS	FORMULA CU - ZN	DOT Identification Number N/A

I. INGREDIENTS

MATERIAL OR COMPONENT		
Base Metal	CAS Number	% Composition by Weight
COPPER	7440-50-8	55 - 90
Alloying Element	CAS Number	Maximum % Composition by Weight
ZINC	7440-66-6	45.0
LEAD	7439-92-1	3.7
TIN	7440-31-5	1.0
ALUMINUM	7429-90-5	7.6
MANGANESE	7439-96-5	3.5
ARSENIC	7440-38-2	0.1
PHOSPHORUS	7723-14-0	0.05
IRON	7439-89-6	2.0
NICKEL	7440-02-0	2.3
SILICON	7440-21-3	2.2

NOTE: Mueller CU - ZN Alloys may consist of all or any combination thereof of items listed above.

II. PHYSICAL DATA

MATERIAL IS (At Normal Conditions)		APPEARANCE AND ODOR	
☐ LIQUID	☒ SOLID	☐ GAS	☐ OTHER
		Yellow - Gold Metal / NO ODOR	
ACTIVITY / ALKALINITY	Melting Point	Specific Gravity (H ₂ O = 1)	VAPOR PRESSURE
pH = N/A	1590-1900 °F	7.7 - 8.9	(mm Hg at 20° C)
	Boiling Point	Solubility in water (% by weight)	N/A
	N/A °F	NIL	

III. PERSONAL PROTECTIVE EQUIPMENT

Not applicable as shipped but;

Personal protective equipment is determined by processing activity i.e., Casting, Forging, Machining, etc. Appropriate protective equipment should be used to adequately protect the individual for the processing activity incurred.

IV. EMERGENCY MEDICAL PROCEDURES

FOR SKIN CONTACT:	N/A
FOR EYE CONTACT:	Flush with water for 15 minutes: Consult Physician.

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N/A = Not Applicable.

V. HEALTH / SAFETY INFORMATION

Health	Inhalation: Not applicable as shipped but; With inhalation of metal dust remove to fresh air and consult physician.			
	Ingestion: Not likely.			
	Skin: Wash with soap and water.			
	Eyes: Not applicable as shipped but; Metal dust may irritate eyes . . . flush with water for 15 minutes and consult physician.			
Fire and Explosion	Flash Point	N/A °F	Auto Ignition Temperature N/A °F	Flammable Limits in Air Lower Upper N/A % N/A %
	Unusual Fire and Explosion Hazards N/A			Extinguishing Media Not to be used N/A
Reactivity	STABILITY ☒ STABLE ☐ UNSTABLE		INCOMPATIBILITY (Materials to Avoid) OXIDIZERS, ACIDS, AMMONIA	
	CONDITIONS TO AVOID Those which would result in contact of products above.			
	HAZARDOUS DECOMPOSITION PRODUCTS NO _x fumes with contact of Nitric Acid.			

VI. ENVIRONMENTAL

SPILL OR LEAK PROCEDURES N/A	
WASTE DISPOSAL METHODS Not applicable as shipped but; Waste or residue from this product should be tested to determine hazard classification and disposed of in accordance with Federal, State and Local laws.	

VII. ADDITIONAL INFORMATION

When remelting BRASS avoid presence of moisture.
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