

005007
BRASS ALLOYSMATERIAL SAFETY
DATA SHEET

COMPANY PLANT Howard Brass, Copper & Aluminum Co., Inc. 8058 North 87th Street P.O. Box 23487 Milwaukee, WI 53223-0487	ISSUE DATE October 17, 1985	IDENTIFICATION NUMBER N/A
TRADE NAME (Common Name or Synonym) BRASS ALLOYS	EMERGENCY PHONE NUMBER (414) 355-9611	
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: 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		
<input type="checkbox"/> LIQUID <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> GAS <input type="checkbox"/> OTHER		Yellow - Gold Metal / NO ODOR		
ACTIVITY / ALKALINITY	Melting Point	1590-1900 °F	Specific Gravity (H ₂ O = 1)	7.7 - 8.9
pH = N/A	Boiling Point	N/A °F	Solubility in water (% by weight)	NIL
				VAPOR PRESSURE (mm Hg at 20°C) N/A

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.**

N/A = Not Applicable.

V. HEALTH / SAFETY INFORMATION

Health	<p>Not applicable as shipped but;</p> <p>Inhalation: With inhalation of metal dust remove to fresh air and consult physician.</p> <p>Ingestion: Not likely.</p> <p>Skin: Wash with soap and water.</p> <p>Eyes: Not applicable as shipped but; Metal dust may irritate eyes . . . flush with water for 15 minutes and consult physician.</p>											
Fire and Explosion	Flash Point	N/A °F	Auto Ignition Temperature	N/A °F	Flammable Limits in Air	Lower	N/A %	Upper	N/A %	Extinguishing Media	N/A	
	Unusual Fire and Explosion Hazards								Extinguishing Media Not to be used.			
N/A								N/A				
Reactivity	STABILITY				INCOMPATABILITY (Materials to Avoid)							
	<input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE				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 <p style="text-align: center;">N/A</p>
WASTE DISPOSAL METHODS <p style="text-align: center;">Not applicable as shipped but;</p> <p>Waste or residue from this product should be tested to determine hazard classification and disposed of in accordance with Federal, State and Local laws.</p>

VII. ADDITIONAL INFORMATION

When remelting BRASS avoid presence of moisture.
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The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, express or implied regarding the accuracy or correctness.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

HAZCOM SUBSTANCE AUDIT

LABEL DETERMINATION

PRODUCT IDENTIFICATION

PRODUCT NAME: Brass Alloys

MANUFACTURER: Howard Brass

MSDS#: 005007

REQUIREMENT CHECK LIST

- PRODUCT NAME IDENTICAL TO COMPUTER MSDS LINK
- MANUFACTURER NAME
- EMERGENCY PHONE NUMBER
- SPECIFIC PHYSICAL AND HEALTH HAZARDS AND WARNINGS
- N/A CARCINOGEN WARNING IF PRESENT ON MSDS SHEET

LABEL NEEDED? (CIRCLE ONE)

YES

NO

John H. Thuman 6-26-92
SIGNATURE OF HAZCOM COMMITTEE MEMBER AND DATE

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