

# MATERIAL SAFETY DATA SHEET

## I. MANUFACTURER/DISTRIBUTOR and PRODUCT IDENTIFICATION

<b>DISTRIBUTOR:</b> Alro Steel Corporation 3100 East High Street Jackson, MI 49204	<b>REVIEWED AND REVISED:</b> 2/20/96 by Alro Steel Corporation	<b>EMERGENCY PHONE NUMBER:</b>  (517) 787-5500
<b>MANUFACTURER:</b> Various Sources	<b>CHEMICAL NAME:</b> Brass and Brass Alloys	<b>CHEMICAL FAMILY:</b> Metals

## II. CHEMICAL COMPONENTS

See section II-C, Product Description & Hazardous Ingredients/Identity Information.

## III. PHYSICAL DATA

<b>Melting point F°:</b> 1650 F	<b>Specific Gravity(H<sub>2</sub>O=1):</b> 8.370 ± 0.125 g/cc	<b>Vapor pressure:</b> ND
<b>% Volatile by Volume:</b> ND	<b>Vapor Density (Air=1):</b> N/A	<b>Evaporation Rate:</b> ND
<b>Solubility in Water(% by weight):</b> nil	<b>Appearance and Odor:</b> Gold or yellow colored rod having various shapes and dimensions.	

## IV. FIRE AND EXPLOSION DATA

**PRODUCT NONFLAMMABLE.** Use a water spray to cool fire-exposed containers, structures and to protect personnel.

## V. HEALTH HAZARD INFORMATION

See Section V-A, General Health Hazard Information and Section IX. Appropriate personal protective equipment is required when melting, casting, forging, machining, or otherwise processing. The nature of activity will determine the form of protection necessary, i.e., glasses, respirator, clothing and ear protection.

## VI. REACTIVITY DATA

<b>STABILITY:</b> Stable under normal conditions of use.	<b>INCOMPATIBILITY:</b> Contact with acids and alkali hydroxide results in evolution of hydrogen.	<b>HAZARDOUS POLYMERIZATION:</b> n/a
<b>HAZARDOUS DECOMPOSITION PRODUCTS and CONDITIONS TO AVOID:</b> Avoid exposure to acids and alkali hydroxides.		

## VII. SPILL AND LEAK PROCEDURES/ ENVIRONMENTAL

Used or unused product should be tested to determine hazard status and disposal requirements under federal, state and local laws and regulations. This material may be reclaimed for reuse. See section II-A for information concerning materials subject to SARA Title III reporting requirements. Due to composition, consumer items manufactured from this material may be subject to Federal, State or Local reporting requirements.

## VIII. SPECIAL PROTECTION

**RESPIRATORY PROTECTION:** When limits are exceeded, use proper approved respirator. (Consult OSHA and/or State or Local codes for all requirements)  
**VENTILATION:** Use local exhaust when cutting, grinding or welding.  
**EYE PROTECTION AND PROTECTIVE CLOTHING:** Proper protective clothing and appropriate face and eye protection should be used when processing.

## IX. SPECIAL PRECAUTIONS & ADDITIONAL INFORMATION

(1) PEL/TLV exposures should be controlled to remain below OSHA and ACGIH specifications to insure proper health protection of workers. (2) Acids and bases in contact with brass may generate explosive concentrations of hydrogen.

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