



MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY: Red Brass Pipe **MSDS #:** 009

SECTION I

<p>MANUFACTURE'S NAME: Various DISTRIBUTOR: Merit Brass Co. ADDRESS: One Merit Drive - P.O. Box 43127 Cleveland, Ohio 44143 CHEMICAL NAME AND SYNONYMS: Red Brass Alloy - CDA 230</p>	<p>EMERGENCY TELEPHONE NUMBER: 1-216-261-9800 or 1-800-726-9800 TELEPHONE NUMBER FOR INFORMATION: 1-216-261-9800 or 1-800-726-9800 COMPANY CONTACT: Thomas J. Golenski, Plant Superintendent</p>
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SECTION II - HAZARDOUS INGREDIENTS

ELEMENT	CAS NO.	% RANGE	OSHA PEL (mg/M ³)	ACGIH TLV (mg/M ³)
Copper	7440-50-8	85	0.1 fume, 1 dust	0.2 fume, 1 dust
Zinc	7440-66-6	15	5 respirable dust, 15 total dust	5 respirable dust, 10 total dust

SECTION III - PHYSICAL DATA

MELTING POINT: 1814°F	SPECIFIC GRAVITY: 8.75 g/cc
BOILING POINT: 2372°F	VAPOR PRESSURE: Not Applicable

Red brass is a shiny redish colored metallic solid, it has no odor, and is not soluble in water.

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT: Not Applicable	EXTINGUISHING MEDIA: Water spray or ABC dry chemical
AUTO-IGNITION TEMPERATURE: Not Applicable	NATIONAL FIRE PROTECTION ASSOCIATION DATA: Health - 1 Flammability - 0
FLAMMABLE LIMITS: LEL N/A UEL N/A	Reactivity - 1 Special - None

SPECIAL FIRE FIGHTING PROCEDURES:
None when solid.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Do not use water on molten metal. Finely divided dust is flammable.

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SECTION V - HEALTH HAZARD DATA

Red Brass Pipe Nipples

THRESHHOLD LIMIT VALUE: See SECTION II - HAZARDOUS INGREDIENTS

EFFECTS OF OVEREXPOSURE: No adverse health effects when handling intact parts; wash hands before eating to prevent ingestion of minute amounts of toxic metal that may accumulate in the body.

Exposure to red brass grinding dust and brazing fumes may cause the cold-like symptoms of metal fume fever; metallic taste in mouth, chills, fever, dry mouth and throat, headache. Red brass fumes may cause the discoloration of skin and hair.

EMERGENCY AND FIRST AID PROCEDURES: In all cases seek medical assistance.

INHALATION - Remove person with symptoms to fresh air, thoroughly shower, and change cloths.

INGESTION - Seek medical assistance.

EYE - Flush with clean water for thirty minutes.

SKIN - Wash thoroughly with soap and water.

SECTION VI - REACTIVITY DATA

STABILITY: Red brass metal is stable at room temperature.

INCOMPATABILITY: (Materials to avoid) Strong acids and bases. Explosive compounds formed in the presence of acetylene.

HAZARDOUS DECOMPOSITION PRODUCTS: Flammable hydrogen gas will evolve when red brass is exposed to acid.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Do not use red brass pipe and fittings to transport corrosive liquids.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Red brass parts spills should constitute only a trip and fall hazard.

WASTE DISPOSAL METHOD: Red brass is valuable and may be recycled by foundries and secondary metal smelters. Avoid melting red brass chips covered with metal cutting oil since this will cause fugative emissions of dense smoke into the air.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: (Specify Type) Use a NIOSH approved HEPA respirator when melting, brazing, or grinding red brass.

VENTILATION: Local exhaust ventilation is recommended when melting, brazing, or grinding red brass metal.

EYE PROTECTION: Wear appropriate eye protection when melting, brazing, soldering, cutting, or grinding red brass metal.

PROTECTIVE GLOVES: Use cotton work glove to prevent transfer of metal to skin. Use cut resistant gloves when handling metal chips.

OTHER PROTECTIVE EQUIPMENT: Wear clothing appropriate to the fabrication operation attempted with this product.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Protect red brass parts from moisture to avoid discoloration and corrosion.

OTHER PRECAUTIONS: Never place wet red brass parts into a melting furnace - explosion hazard.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warrantee or guarentee is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy themself as to the suitability or completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this product either singly or in combination with other substances. This MSDS is equivalent to OSHA Form 20.

MSDS prepared by: S.R. Pressman, Industrial Hygienist (5/90)

Aniline Environmental