

Common Name	BRONZE
Manufactured by	ABC METALS
CAS Number	
Revised	11/25/1985
Source	Dolphin (DOL.200209)
1 - Product Identification 2 - Hazardous Ingredients 3 - Physical Data 4 - Fire and Explosion 5 - Reactivity Data 6 - Health Hazard Data 7 - Spill or Leak Procedures 8 - Special Protection 9 - Special Precautions	

MATERIAL SAFETY DATA SHEET

ISSUE DATE: NOVEMBER 25, 1985

REVISED:

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-----SECTION 1 - PRODUCT IDENTIFICATION -----

MANUFACTURER'S NAME: VARIOUS

PRODUCT NAME/TRADE NAME: BRONZE

COMMON NAME/GRADE:
SILICON BRONZE, LEADED BRONZE, ALUMINUM BRONZE

-----SECTION 3 - PHYSICAL DATA -----

MATERIAL IS (AT NORMAL CONDITIONS): SOLID

APPEARANCE AND ODOR: RED-GOLD-METALLIC, ODORLESS

MELTING POINT (BASE METAL): > 1700

SPECIFIC GRAVITY: > 7

-----SECTION 4 - FIRE AND EXPLOSION -----

EXTINGUISHING MEDIA: NA

SPECIAL FIRE FIGHTING PROCEDURES:
PRODUCTS IN THE SOLID STATE PRESENT NO FIRE OR EXPLOSION HAZARD.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
DUST HAZARDS EXIST UNDER FAVORING CONDITIONS OF SMALL PRACTICE SIZE. DISPERSION IN AIR AND STRONG IGNITION SOURCE MAY RESULT IN AN EXPLOSION.

-----SECTION 6 - HEALTH HAZARD DATA -----

NOTE: STEEL PRODUCTS IN THE NATURAL STATE DO NOT PRESENT AN INHALATION, INGESTION OR CONTACT HAZARD. HOWEVER, OPERATIONS SUCH AS BURNING, WELDING, SAWING, BRAZING AND GRINDING MAY RELEASE FUMES AND/OR DUSTS WHICH MAY PRESENT HEALTH HAZARDS IF TLV'S ARE EXCEEDED.

MAJOR EXPOSURE HAZARD:

- (X) INHALATION
- (PB) SKIN CONTACT
- () SKIN ABSORPTION
- () EYE CONTACT
- (PB) INGESTION

EFFECTS OF OVEREXPOSURE:

SHORT TERM EXPOSURE TO FUMES/DUST MAY PRODUCE IRRITATION OF EYES AND RESPIRATORY SYSTEM. INHALATION OF HIGH CONCENTRATIONS OF FRESHLY FORMED OXIDE FUMES OF COPPER AND LEAD MAY CAUSE METAL FUME FEVER CHARACTERIZED BY A METALLIC TASTE IN THE MOUTH, DRYNESS OF THE THROAT AND INFLUENZA-LIKE SYMPTOMS.

INHALATION OR INGESTION OF LEAD PARTICLES MAY RESULT IN LEAD-INDUCED SYSTEMIC TOXICITY. SYMPTOMS OF LEAD POISONING INCLUDE ABDOMINAL CRAMPS, ANEMIA, MUSCLE WEAKNESS AND HEADACHE. PROLONGED EXPOSURE CAN CAUSE BEHAVIORAL CHANGES, KIDNEY DAMAGE, CNS DAMAGE, AND REPRODUCTIVE EFFECTS.

NICKEL IS LISTED IN THE 3RD ANNUAL REPORT ON CARCINOGENS AS PREPARED BY THE NATIONAL TOXICOLOGY PROGRAM (NTP). EXPOSURE TO HIGH CONCENTRATIONS OF DUST AND FUMES CAN CAUSE SENSITIZATION DERMATITIS, INFLAMMATION AND/OR ULCERATION OF UPPER RESPIRATORY TRACT AND POSSIBLY CANCER OF NASAL PASSAGES AND LUNGS.

RECENT EPIDEMIOLOGICAL STUDIES OF WORKERS MELTING AND WORKING ALLOYS CONTAINING NICKEL/CHROMIUM HAVE FOUND NO INCREASED RISK OF CANCER.

EMERGENCY AND FIRST AID PROCEDURES:

IF EXPOSED TO EXCESSIVE LEVELS OF METAL FUMES, REMOVE TO FRESH AIR, SEEK MEDICAL AID IMMEDIATELY.

EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES.