

# 23 PHOSPHOR BRONZE-C

## MATERIAL SAFETY DATA SHEET

01/11/00

MSDS PROVIDED BY:

STOODY INDUSTRIAL AND WELDING SUPPLY, INC.

3316 National Ave., San Diego, Ca. 92113

Phone: (619) 234-6750

MILITARY EMERGENCY RESPONSE NUMBER 1-800-851-8061

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**SECTION 1****PRODUCT IDENTIFICATION**

COMPANY NAME WHO SENT MSDS ..... HARRIS WELCO, DIV. OF J.W. HARRIS CO., INC  
COMPANY ADDRESS ..... 1051 YORK ROAD  
KINGS MOUNTAIN, NC 28086  
EMERGENCY PHONE NUMBER ..... (800)-424-9300  
MSDS VERSION NUMBER ..... 2  
TRADE NAME ..... 23 PHOSPHOR BRONZE-C

HAZARD RATING (HMIS) ..... HEALTH - 3, FLAMABILITY - 0, REACTIVITY - 0, OTHER - 0  
HMIS DESIGNATION KEY ..... 4 - SEVERE HAZARD, 3 - SERIOUS HAZARD, 2 - MODERATE HAZARD,  
1 - SLIGHT HAZARD, 0 - MINIMAL HAZARD

**SECTION 2****HAZARDOUS COMPONENTS**

<u>MATERIAL</u>	<u>% BY WEIGHT</u>	<u>CAS NUMBER</u>	<u>ACGIH TLV (Mg/M3)</u>	<u>SEC 313</u>
IRON	0.2	7439-59-6	3.5	NA
MAGNESIUM	2.5	1309-48-4	2.5	NA
NICKEL	0.07	7440-02-0	0.1	NA
CHROMIUM	0.05	7440-47-3	0.05	NA
COPPER	36	7440-50-8	0.2	NA
LEAD	0.05	7439-92-1	0.1	NA
FLUORINE	14	7782-41-4	2.5	NA

**SECTION 3****PHYSICAL PROPERTIES**

BOILING POINT ..... NA  
MELTING POINT ..... NA  
VAPOR PRESSURE ..... NA  
VAPOR DENSITY (AIR = 1) ..... NA  
SOLUBILITY IN WATER ..... NA  
SPECIFIC GRAVITY ..... NA  
EVAPORATION RATE ..... NA  
APPEARANCE AND ODOR ..... COATED METAL-ROD - NO ODOR

**SECTION 4****FIRE AND EXPLOSION DATA**

FLASH POINT ..... NA  
EXTINGUISHING MEDIA ..... CO2 OR DRY CHEMICAL EXTINGUISHER  
SPECIAL PROCEDURES ..... FULL PROTECTIVE CLOTHING.  
UNUSUAL HAZARDS ..... NA

**SECTION 5****REACTIVITY DATA**

STABILITY ..... STABLE  
CONDITIONS TO AVOID ..... NONE  
HAZARDOUS POLYMERIZATION ..... NONE  
CONDITIONS TO AVOID ..... NONE  
INCOMPATIBILITY ..... NONE  
HAZARDOUS DECOMPOSITION PRODUCTS ..... NONE

**SECTION 6****HEALTH HAZARD DATA**

ROUTES OF ENTRY ..... INHALATION.  
HEALTH HAZARDS ..... FUME EMISSION ONLY DURING ARC WELDING (ACGIH TLV = 5 MG/M3) PRESENCE OF IRON, MANGANESE OXIDES, AND SMALL AMOUNTS OF FLUORIDE.  
CARCINOGENICITY ..... THE STATE OF CALIFORNIA REQUIRES THE FOLLOWING INFORMATION:  
WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR REPRODUCTIVE HARM.

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SIGNS & SYMPTOMS OF EXPOSURE ..... NO ACUTE OR CHRONIC EFFECT REPORTED.  
MEDICAL CONDITIONS FROM EXPOSURE ..... NA  
EMERGENCY & FIRST AID ..... NA  
ADDITIONAL INFORMATION ..... NONE

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### SECTION 7

### PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL AND LEAK PROCEDURES ..... NONE  
WASTE AND DISPOSAL METHOD ..... NO SPECIAL METHOD REQUIRED  
HANDLING AND STORING PRECAUTIONS ..... HANDLING ONLY DURING WELDING. SEE SECTION VIII.  
OTHER PRECAUTIONS ..... NA

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### SECTION 8

### CONTROL MEASURES

RESPIRATORY MEASURES ..... NONE  
VENTILATION ..... RECOMMENDED - LOCAL AND MECHANICAL  
PROTECTIVE GLOVES ..... YES  
EYE PROTECTION ..... YES  
OTHER PROTECTIVE EQUIPMENT ..... STANDARD SAFETY EQUIPMENT FOR WELDER  
WORK/HYGIENIC PRACTICES ..... FOR MAXIMUM SAFETY: BE CERTIFIED FOR, AND WEAR A RESPIRATOR  
AT ALL TIMES WHEN WELDING OR BRAZING.

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### SECTION 9

### DISCLAIMER

THIS DATA IS BELIEVED TO BE ACCURATE. HARRIS WELCO MAKES NO WARRANTY TO AND DISCLAIMS ALL LIABILITY FROM RELIANCE.

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### SECTION 10

### ADDITIONAL INFORMATION

NA = NOT APPLICABLE  
CARCINOGENICITY INFORMATION: CHROMIUM, LEAD AND NICKEL  
COMPOUNDS ARE REQUIRED BY OSHA TO BE CONSIDERED CARCINOGENIC.  
CARBON