
69400 BRASS/BRONZE ROD, PARTS & WIRE

MSDS Number

BZVHZ

National Stock Number

3439-00F049083

Product Name

69400 BRASS/BRONZE ROD, PARTS & WIRE

Manufacturer

CERRO METAL PRODUCTS

Product Identification

Product ID:69400 BRASS/BRONZE ROD, PARTS & WIRE

MSDS Date:11/22/1995

FSC:3439

NIIN:00F049083

MSDS Number: BZVHZ

Responsible Party

CERRO METAL PRODUCTS

BELLEFONTE , PA 16823-5000

US

Emergency Phone: 814-355-6370

Info Phone: 814-355-6370

Preparer: JAMES A VAIANA

Cage: 78764

Contractor

CERRO METAL PRODUCTS DIV THE MARMON GROUP INC

388

BELLEFONTE, PA 16823-0388

US

814-355-6217

Cage: 78764

Ingredients

PHOSPHORUS (YELLOW & WHITE)

CAS: 7723-14-0

RTECS: TH3500000

Fraction By Weight: 0-0.5%

OSHA PEL0.1 MG/CUM

ACGIH TLV: 0.1 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight: 0-4.5%

ACGIH TLV: 10 MG/CUM

TIN *96-2*

CAS: 7440-31-5

RTECS: XP7320000

Fraction By Weight: 0-4.5%

OSHA PEL2 MG/CUM

ACGIH TLV: 2.0 MG/CUM

ZINC

CAS: 7440-66-6

RTECS: ZG8600000

Fraction By Weight: 0-43%

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

NICKEL (SUSPECTED ANIMAL/HUMAN CARCINOGEN BY IARC GROUP 2B,

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight: 0-12%

OSHA PEL1 MG/CUM

ACGIH TLV: 0.05 MG/CUM IC

ALUMINUM *96-2*

CAS: 7429-90-5

RTECS: BD0330000

Fraction By Weight: 0-9%

OSHA PEL15 MG/CUM

ACGIH TLV: 10 MG/CUM (DUST)

COPPER (DUST & MIST), BRONZE POWDER *96-2*

CAS: 7440-50-8

RTECS: GL5325000

Fraction By Weight: 45-91%

OSHA PEL0.1 MG(CU)/M3 (FUME)

ACGIH TLV: 0.2 MG/M3 (FUME)

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

IRON *96-2*

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight: 0-6%

MANGANESE *96-2*

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight: 0-5%

OSHA PEL5 MG/CUM

ACGIH TLV: 5 MG/CUM (DUST)

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:SHORT TERM EXPOSURE TO WELDING FUMES:
DIZZINESS, NAUSEA, DRYNESS/IRRITATION OF NOSE/THROAT/LUNGS/EYES.
LONG TERM EXPOSURE TO WELDING FUMES: RESPIRATORY PROBLEMS, IRON
BUILD-UP IN THE LUNGS, BONE EROSION, REDUCED PULMONARY FUNCTIONS &
NERVOUS DISORDERS.

Explanation of Carcinogenicity:SEE INGREDIENTS.

Effects of Overexposure:SHORT TERM EXPOSURE TO WELDING FUMES:
DIZZINESS, NAUSEA, DRYNESS/IRRITATION OF NOSE/THROAT/LUNGS/EYES.
LONG TERM EXPOSURE TO WELDING FUMES: RESPIRATORY PROBLEMS, IRON
BUILD-UP IN THE LUNGS, BONE EROSION, REDUCED PULMONARY FUNCTIONS &
NERVOUS DISORDERS.

Medical Condition Aggravated by Exposure:PRE-EXISTING RESPIRATORY/ALLERGIC
CONDITIONS.

First Aid

First Aid:IF OVERCOME BY SMOKE/FUMES, REMOVE VICTIM TO FRESH AIR.
EMPLOY FIRST TECHNIQUES RECOMMENDED BY THE RED CROSS. SKIN: WASH
THOROUGHLY W/SOAP & WATER. EYES: FLUSH W/WATER FOR 15 MINS. OBTAIN
MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Flash Point:NON-FLAMMABLE
Fire Fighting Procedures:NEVER USE WATER AS AN EXTINGUISHING AGENT
AROUND MOLTEN METAL. WATER WILL REACT VIOLENTLY W/ANY MOLTEN METAL.
Unusual Fire/Explosion Hazard:WELDING ARC & SPARKS CAN IGNITE
COMBUSTIBLE & FLAMMABLE PRODUCTS.

Accidental Release

Spill Release Procedures:SCRAP METAL CAN BE RECLAIMED FOR REUSE.

Handling

Handling and Storage Precautions:MONITOR THE AIR TO ENSURE THE LEVELS
ARE INJURY FROM RADIATION/SPARKS/ELECTRIC SHOCK.
Other Precautions:TRAIN WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS &
INSULATE THEMSELVES FROM WORK & GROUND. WET MATERIAL SHOULD NEVER
BE CHARGED INTO A MOLTEN BATH. AVOID BREATHING FUMES/GASES. ALWAYS
USE EYE PROTECTION EQUIPMENT DURING WELDING/BRAZING.

Exposure Controls

Respiratory Protection:WEAR RESPIRABLE FUME RESPIRATOR/AIR SUPPLIED
RESPIRATOR WHEN WELDING IN CONFINED SPACE, WHERE LOCAL
EXHAUST/VENTILATION DOESN'T KEEP EXPOSURE Ventilation:LOCAL EXHAUST AT ARC TO KEEP FUMES/GASES BREATHING ZONE & GENERAL ARE
Protective Gloves:WELDERS
Eye Protection:HELMET, FACE SHIELD W/FILTER LENS
Other Protective Equipment:ARM PROTECTOR, APRON, HAT, SHOULDER
PROTECTION, DARK SUBSTANTIAL CLOTHING.
Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER USE, ESPECIALLY
BEFORE EATING.
Supplemental Safety and Health

PRODUCT IS NON-HAZARDOUS UNTIL USED AS IN WELDING PURPOSES. THE COMPOSITION & QUANTITY OF FUMES/GASES DEPENDS ON METAL BEING WELDED, PROCESS, PROCEDURES, ELECTRODES USED, COATINGS, POSITION OF WELDER' S HEAD W/RESPECT TO THE PLUME & AS WELLAS THE PRESENCE OF CONTAMINANTS IN THE ATMOSPHERE.

Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:1500-2100F

Spec Gravity:7.5-9

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER/YELLOW TO RED SOLID AT ROOM TEMP & EXHIBITS NO ODOR.

Stability

Stability Indicator/Materials to Avoid:YES

WATER, ACIDS, BASES/OXIDIZERS

Stability Condition to Avoid:(SEE SUPPLEMENTAL DATA)

Hazardous Decomposition Products:COMPLEX OXIDES OF IRON, MANGANESE, SILICON, CHROMIUM, NICKEL, MOLYBDENUM, CALCIUM, MAGNESIUM, TITANIUM (SEE SUPP)

Disposal

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER/LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER IAW/LOCAL, STATE & FEDERAL REGULATIONS.

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