
4043, ALUMINUM WELDING WIRE AND ROD

MSDS Number

BQXSD

National Stock Number

3439-00-268-9654

Product Name

4043, ALUMINUM WELDING WIRE AND ROD

Manufacturer

UNIBRAZE CORP

Product Identification

Product ID:4043, ALUMINUM WELDING WIRE AND ROD

MSDS Date:06/01/1992

FSC:3439

NIIN:00-268-9654

MSDS Number: BQXSD

Responsible Party

UNIBRAZE CORP

7502 W STATE RT 41

COVINGTON , OH 45318-9746

US

Emergency Phone: 513-473-2001

Info Phone: 513-473-2001

Cage: 00525

Contractor

UNIBRAZE CORP

COVINGTON, NC 28086

US

704-739-6421

Cage: 00525

Ingredients

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight: 4.5-6%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

IRON

CAS: 6596-57-0

Fraction By Weight: 0.8%

COPPER (SARA III)

CAS: 7440-50-8

RTECS: GL5325000

Fraction By Weight: 0.30%

OSHA PEL0.1MG/M3 FUME/1 DUST

ACGIH TLV: 0.2MG/M3 FUME; 9293

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight: 0.05%

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

MAGNESIUM

CAS: 7439-95-4

RTECS: OM2100000

Fraction By Weight: 0.05%

ZINC (SARA III)

CAS: 7440-66-6

RTECS: ZG8600000

Fraction By Weight: 0.10%

OSHA PEL10 MG ZNO/M3

ACGIH TLV: 10 MG ZNO/M3; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

TITANIUM, METAL

CAS: 7440-32-6

RTECS: XR1700000

Fraction By Weight: 0.20%

ALUMINUM (SARA III)

CAS: 7429-90-5

RTECS: BD0330000

Fraction By Weight: REM.

OSHA PEL15MG/M3 DUST/5 FUME

ACGIH TLV: 10MG/M3 DUST; 9293

Hazards

LD50 LC50 Mixture:UNCLASSIFIED WELDING FUMES=5MG/M3 PEL

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:LONG TERM EXPOSURE TO WELDING FUMES, GASES OR DUST MAY CONTRIBUTE TO PULMONARY IRRITATION OR PNEUMONOCOSIS. COPPER FUMES MAY CAUSE METAL FUME FEVER. ARC RAYS FROM ELECTRIC OPERATIONS CAN INJURE EYES & BURN SKIN. ARC RAYS FROM ELECTRIC OPERATIONS CAN INJURE EYES & BURN SKIN. ELECTRIC SHOCK FROM ARC WELDING CAN KILL.
Explanation of Carcinogenicity:CHROMIUM SHOULD BE CONSIDERED A POSSIBLE CARCINOGEN PER OSHA 29CFR 1910.1200.
Effects of Overexposure:SHORT TERM EXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT, DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF THE THROAT. METAL FUME FEVER MAY INCLUDE FEVER, BODY ACHE, CHILLS.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY FUNCTIONS OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY FUME IRRITANTS.

First Aid

First Aid:REMOVE FROM DUST OR FUME EXPOSURE. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. SUMMON MEDICAL AID IMMEDIATELY.

Fire Fighting

Flash Point:NON-FLAMMABLE
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.
Unusual Fire/Explosion Hazard:WELDING ARC, OPEN FLAME AND SPARKS CAN IGNITE COMBUSTIBLES. SEE ANSI/ASC Z49.1-1983 SECTION 6.

Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN ELECTRODES AND FLUXES ARE CONSUMED, THE FUME AND GAS DECOMPOSITION PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS LISTED. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM.

Exposure Controls

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.
Ventilation:USE ENOUGH VENTILATION & LOCAL EXHAUST AT THE FLAME OR ARC TO KEEP THE FUMES & GASES BELOW THE TLV IN THE WORKERS ZONE.
Protective Gloves:WELDERS LEATHER GLOVES
Eye Protection:OSHA APPROVED GOGGLES/FACE SHIELD W/LENS
Other Protective Equipment:ARM PROTECTORS, APRONS, HATS, SHOULDER PROTECTION, AS WELL AS DARK SUBSTANCIAL CLOTHING.
Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDER CONTAMINATIED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
WELDING AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THEPRESENCE OF CONTAMINANTS. CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES.

Chemical Properties

HCC:N1
Appearance and Odor:SOLID WIRE OR ROD.

Stability

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:WELDING AND BRAZING FUMES AND GASES CANNOT BE CLASSIFIED SIMPLY. THE COMPOSITION IS DEPENDENT UPON THE METAL WORKED.

Disposal

Waste Disposal Methods:NONE SPECIFIED BY MANUFACTURER.

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