

UNIBRAZE CORP -- 4043, ALUMINUM WELDING WIRE AND ROD -- 3439-00-268-9654
===== 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 ===

Company Name:UNIBRAZE CORP

Address:7502 W STATE RT 41

City:COVINGTON

State:OH

ZIP:45318-9746

Country:US

Info Phone Num:513-473-2001

Emergency Phone Num:

513-473-2001

CAGE:OO525

=== Contractor Identification ===

Company Name:J. W. HARRIS CO INC & HARRIS WELCO, DIVISION/J.W. HARRIS
CO

Address:1051 YORK RD

Box:City:KINGS MOUNTAIN

State:NC

ZIP:28086

Country:US

Phone:704-739-6421

CAGE:34920

Company Name:UNIBRAZE CORP

Address:7502 W STATE RT 41

Box:City:COVINGTON

CAGE:OO525

===== Composition/Information on Ingredients =====

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 4.5-6%

Other REC Limits:NONE RECOMMEN

DED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:IRON
CAS:6596-57-0
Fraction by Wt: 0.8%
Other REC Limits:NONE RECOMMENDED

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 0.3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0.05%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:(
C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:MAGNESIUM
CAS:7439-95-4
RTECS #:OM2100000
Fraction by Wt: 0.05%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 0.10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:TITANIUM, METAL
CAS:7440-32-6
RTECS #:XR1700000
Fraction by Wt: 0.20%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUM

INUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: REM.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9293

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Hazards Identification
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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 CONTRIB
UTE 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 D
RYNESS 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.

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

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Fire Fighting Measure
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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.

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Handling and Storage
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Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN
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CTRODES 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/Personal Protection =====

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.

===== Physical/Chemical Properties =====

HCC:N1

Appearance and Odor:SOLID WIRE OR ROD.

===== Stability and Reactivity Data =====

Stabi

lity 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 Considerations =====

Waste Disposal Methods:NONE SPECIFIED BY MANUFACTURER.

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