

AMPCO METAL INC -- COPPER BASED ALLOY BARE WELDING RODS & WIRE -- 3439-00-902-4211
===== Product Identification =====

Product ID:COPPER BASED ALLOY BARE WELDING RODS & WIRE

MSDS Date:12/15/1986

FSC:3439

NIIN:00-902-4211

MSDS Number: BJFDY

=== Responsible Party ===

Company Name:AMPCO METAL INC

Address:1745 S 38TH ST

Box:2004

City:MILWAUKEE

State:WI

ZIP:53201-2004

Country:US

Info Phone Num:414-645-

3750

Emergency Phone Num:414-645-3750

CAGE:03306

=== Contractor Identification ===

Company Name:AMPCO METAL INC

Address:1745 S 38TH ST

Box:2004

City:MILWAUKEE

State:WI

ZIP:53201-2004

Country:US

Phone:414-645-3750

CAGE:03306

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

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 0 - 20%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:COBALT (SARA

III)

CAS:7440-48-4

RTECS #:GF8750000

Fraction by Wt: >1%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1 MG/M3;AS CO

ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 50-100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:IRON OXIDE

CAS:1309-37-1

RTECS #:NO7400000

Fraction by Wt: 0 - 6%

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 MG/M3 (FE

)

ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: >1%

Other REC Limits:NONE SPECIFIED

OSHA PEL:(C) 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 0 - 30%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: >1%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGI

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE-EYES:IRRITATION. SKIN:ALLERGIC
DERMAITITIS. INHALATION:METAL FUME FEVER. INGESTION:IRRITATION.
CHRONIC-EYES:IRRITATION. SKIN:DERMATITIS, KERATINIZATION OF THE
HANDS AND FEET. INHALATION:IRRITATI ON TO THE UPPER RESPIRATORY
TRACT, BEN
IGN PNEUMOCONIOSIS. INGESTION:IRRITATION AND POISONING.
Explanation of Carcinogenicity:NICKEL(0-32%) MAY REASONABLY BE
ANTICIPATED TO BE CARCINOGENIC BY NTP AND IARC.
Effects of Overexposure:EYES:IRRITATION. SKIN:DISCOLORATION AND
ITCHING. INHALATION:FLU-LIKE SYMPTOMS. INGESTION:IRRITATION
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:EYE:FLUSH WELL WITH RUNNING WATER TO REMOVE PARTICUL
ATE. GET
MEDICAL ATTENTION. SKIN:VACUUM OFF EXCESS DUST. WASH WELL WITH SOAP
AND WATER. AVOID BLOWING PARTICULATE INTO THE ATMOSPHERE.
INHALATION:RE MOVE TO FRESH AIR. GET MEDICAL ATTENTION.
INGESTION:SEEK MEDICAL ATTENTION IF LARGE QUANTITIES OF MATERIAL
HAVE BEEN INGESTED (NOT LIKELY IN THE PRODUCT STATE AS SOLD).

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===== Fire Fighting Measures =====

Extinguishing Media:USE CLASS D EXTINGUISHING AGENTS OR DRY SAND ON
FIRES.
Fire Fightin
g Procedures:THE SOLID FORM IS NOT COMBUSTIBLE UNDER NORMAL
CONDITIONS. USE FIRE FIGHTING METHODS APPROPRIATE FOR SURROUNDING
AREAS.
Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE
PRODUCTION OF HAZARDOUS METAL FUMES.

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===== Accidental Release Measures =====

Spill Release Procedures:NO SPECIAL PRECAUTIONS ARE NECESSARY FOR
SPILLS OF BULK MATERIAL.
Neutralizing Agent:NONE

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===== Handling and Storage =====

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Handling and Storage Precautions:STORE MATERIAL AWAY FROM INCOMPATIBLE MATERIALS AND KEEP DUST FROM SOURCES OF IGNITION.

Other Precautions:NONE

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF EXPOSURE ABOVE THE PEL OR TLV, USE NIOSH APPROVED RESPIRATOR FOR FUMES AND DUST, DEPENDENT UPON THE SOURCE OF AIRBORNE CONTAMINANT.

Ventilation:REQUIRED IF DUST OR FUMES ARE CREATED IN HANDLING OR WORKING ON THIS MATERIAL.

Protective Gloves

:USE LEATHER OR OTHER PROTECTIVE GLOVES.

Eye Protection:GLASSES REQUIRED FOR WELDING OPERATIONS.

Other Protective Equipment:BODY CLOTHING WHILE WELDING.

Work Hygienic Practices:USE EAR MUFFS OR PLUGS IF NOISE LEVEL IS ABOVE 90 DECIBELS.

Supplemental Safety and Health

THE USE OF THESE WELDING RODS MAY CREATE FUMES IN THE BREATHING ZONES OF WORKERS. BE CERTAIN TO EVALUATE THE LEVELS OF METAL FUMES FOR THESE WORKERS AND ALWAYS USE APPROVED (NIOSH) RESPIRATORS WHERE NECESSARY.

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER/GREY, YELLOW OR REDDISH COLOR

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

Stability Indicator/Materials to Avoid:YES

ACIDS, BASES, AND OXIDIZERS.

Stability Condition to Avoid:MOLTEN METAL MAY REACT VIOLENTLY WITH WATER. AVOID CONTACT OF FINELY DIVIDED MATERIAL WITH HEAT,OXIDIZERS,ACIDS,ALKALIES

Hazardous Decomposition Products:METAL F

UMES.

===== Disposal Considerations =====

Waste Disposal Methods:FOLLOW FEDERAL, STATE, AND LOCAL REGULATIONS CONCERNING THE DISPOSAL OF WASTE. CLEANUP PERSONNEL SHOULD WEAR RESPIRATORS AND PROTECTIVE CLOTHING.

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