

ALLOY RODS CORP. -- ER316 ARCALOY BARE STAINLESS STEEL WIRE -- 3439-00-995-6750

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Product Identification  
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Product ID:ER316 ARCALOY BARE STAINLESS STEEL WIRE

MSDS Date:02/24/1987

FSC:3439

NIIN:00-995-6750

MSDS Number: BGCHM

=== Responsible Party ===

Company Name:ALLOY RODS CORP.

Address:WILSON AVE

Box:517

City:HANOVER

State:PA

ZIP:17331

Info Phone Num:717-637-8911

Emergency Phone Num:71

7-637-8911

CAGE:LO546

=== Contractor Identification ===

Company Name:ALLOY RODS CORP.

Address:WILSON AVE

Box:517

City:HANOVER

State:PA

ZIP:17331

Phone:(717) 637-8911

CAGE:LO546

Company Name:ESAB GROUP INC

Address:801 WILSON AVENUE

Box:517

City:HANOVER

State:PA

ZIP:17331

Country:US

Phone:717-637-8911 OR 800-933-7070

CAGE:84021

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Composition/Information on Ingredients  
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Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: TO 100%

Ingred Name:NICKEL (SARA I

II)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 11-14%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 18-20%

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000

Fraction by Wt: 2-3%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3; 9293

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 1.0-2.5%

OSHA PEL:(C) 5 M

G/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: .25-.60%

Other REC Limits:MSHA 10 MG/CUM

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:GRAPHITE, SYNTHETIC

CAS:7440-44-0

RTECS #:FF5250100

Fraction by Wt: 0.03%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name:PHOSPHOROUS (YELLOW) (SARA III)

CAS:7723-14-0

RTECS #:TH3500000

Fraction by Wt: 0.03%

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3; 9192

EPA Rpt Qty

:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SULFUR  
CAS:7704-34-9  
RTECS #:WS4250000  
Fraction by Wt: 0.03%

Ingred Name:INGREDIENTS 01 THRU 06 LISTED BY MFR. 07 THRU 09 BY SPEC.  
INGREDIENT PERCENTAGES WERE TAKEN FROM SPEC.(MIL-E-19933)  
RTECS #:9999999ZZ

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:WELDING PRODUCES SEVERAL HAZARDS.

BREATHING FUMES MAY PRODUCE METAL FUME FEVER OR IF PROLONGED AND  
REPEATED MAY PRODUCE SIDEROSIS. UV LIGHT MAY BURN EYES & SKIN.  
ELECTRIC SHOCK CAN KILL

Explanation of Carcinogenicity:NICKEL AND CHROMIUM ARE BOTH  
LISTED;CHROMIUM CATEGORY 1 AND NICKEL CATEGORY 2A.  
Effects of Overexposure:INHALED:DIZZINESS,NAUSEA,CHILLS,FEVER  
Medical Cond Aggravated by Exposure:PRE-EXISTING

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

First Aid:INHALED:REMOVE TO FRESH AIR, GET  
MEDICAL ATTENTION.

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

Flash Point:NONE  
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Unusual Fire/Explosion Hazard:PRODUCT IS NOT FLAMMABLE, BUT ARCS AND  
SPARKS FROM WELDING OPERATIONS MAY IGNITE COMBUSTIBLES.

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

Spill Release Procedures:SWEEP UP.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN DRY AREA. PRIME HAZARDS ARE DURING USE.

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

Respiratory Protection:WHEN WELDING IN AN ENCLOSED AREA, USE NIOSH FUME RESPIRATOR OR A SUPPLIED AIR RESPIRATOR. USE SAME IF EXPOSED ABOVE TLV(PEL).

Ventilation:USE LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(PEL).

Protective Gloves:WELDERS GLOVES

Eye Protection:FACE SHIELD WITH DARK FILTER

Other Protective Equipment:WEAR CLOTHING

(I.E. LEATHER APRON)

APPROPRIATE TO PROTECT SKIN FROM SPARKS AND ULTRA-VIOLET (UV) RADIATION.

Work Hygienic Practices:READ AND FOLLOW MFR'S INSTRUCTIONS AND PRECAUTIONARY LABEL. SEE STANDARD Z-49.1 PUBLISHED BY AMERICAN WELDING SOCIETY.

Supplemental Safety and Health

ALSO SEE OSHA PUBLICATION 2206 (29CFR1910).

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:COIL OF METAL WIRE 0.062 IN O.D.

Percent Vol

atiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

NONE REPORTED

Stability Condition to Avoid:NONE REPORTED

Hazardous Decomposition Products:WELDING OPERATIONS MAY PRODUCE METAL OXIDE FUMES

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.

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