

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

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:717-

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

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

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: TO 100%

Ingred Name:NICKEL (SARA III

)  
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 MG/  
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

===== 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

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

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

===== 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.

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

Spill Release Procedures:SWEEP UP.  
Neutralizing Agent:NONE

===== 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 Volat

iles 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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ion is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.