

ALLOY RODS CORP -- ATOM ARC COVERED LOW HYDROGEN ELECTRODES, 8 -- 3439-01-216-0695

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Product Identification
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Product ID:ATOM ARC COVERED LOW HYDROGEN ELECTRODES, 8

MSDS Date:04/04/1988

FSC:3439

NIIN:01-216-0695

MSDS Number: BMSRW

=== Responsible Party ===

Company Name:ALLOY RODS CORP

Address:WILSON AVENUE

Box:517

City:HANOVER

State:PA

ZIP:17331

Country:US

Info Phone Num:717-637-8911

Emer

gency Phone Num:717-637-8911

CAGE:GO230

=== Contractor Identification ===

Company Name:ALLOY RODS CORP

Address:1500 KAREN LN

Box:517

City:HANOVER

State:PA

ZIP:17331

Country:US

Phone:717-637-8911

CAGE:GO230

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

OSHA PEL:10 MG/M3

ACGIH

TLV:5 MG/M3

Ingred Name:CHROMIUM

CAS:7440-47-3

RTECS #:GB4200000

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICIC ACID (H*2SIO*3), DISODIUM SALT; (SODIUM SILICATE)

CAS:6834-92-0

RTECS #:VV9275000

Ingred Name:CALCIUM CARBONATE

CAS:1317-65-3

RTECS #:EV9580000

OSHA PEL:15 MG/M3 TDUST;5RESP

ACGIH TLV:10 MG/M3 TDUST

Ingred Name:TITANIUM OXIDE; (TITANIUM DIOXIDE).

CAS:13463-67-7

RTECS #:XR2275000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:MANGANESE

CAS:7439-96-5

RTECS #:OO9275000

OSHA PEL:(C) 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3; 9293

Ingred Name:POTASSIUM SILICATE

CAS:1312-76-1

Ingred Name:CALCIUM FLUORIDE

CAS:7789-75-5

RTECS #:EW1760000

OSHA PEL:2.5 MG/M3 AS F

ACGIH TLV:2.5 MG/M3 AS F

Ingred Name:POTASSIUM AL

UMINUM SILICATE (FELDSPAR); (POTASSIUM
FELDSPAR)

CAS:68476-25-5

Ingred Name:ZIRCONIUM DIOXIDE; (ZIRCONIUM SILCATE)

CAS:7440-67-2

OSHA PEL:5 MG/M3;10 STEL (ZR)

ACGIH TLV:5 MG/M3;10 STEL (ZR)

Ingred Name:SUPP DATA: AS DARK SUBSTANTIAL CLOTHING.

RTECS #:9999999ZZ

Other REC Limits:YN/KNONE SPECIFIED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogen

icity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:FUMES & GASES CAN BE DANGEROUS TO YOUR HEALTH. AGGRAVATION OF PRE-EXISTING RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS. ACUTE: OVEREXP TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH A S: DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES. CHRONIC: MAY LEAD TO SIDEROSIS(EFTS OF OVEREXP)

Explanation of Carcinogenicity:CHROMIUM: GROUP 1 (NTP, IARC).

Effects of Overexposure:HLT

H HAZ: (IRON DEPOSITS IN LUNGS) & IS

BELIEVED BY SOME INVESTIGATORS TO AFFECT PULMONARY FUNCTION. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH POTABLE WATER FOR AT LEAST 15 MINUTES. SEE MD. . SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER. CALL MD . INGEST: GET MD IMMEDIATELY . INHAL: REMOVE TO FRESH AIR.

SUPPORT BREATHING (GIVE O*2/ARTF RESP). CALL FOR MEDICAL AID.

EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

Flash Point:NONFLAMMABLE

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE .

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES.

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= Accidental Release Measures =====

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:USE NIOSH/MSHA APPRVD RESPIRABLE FUME RESP/AIR SUPPLIED RESP WHEN WELDING IN CONFINED SPACE/WHERE LOCAL EXHAUST

/VENT DOES NOT KEEP EXPOS BELOW TLV.

Ventilation:USE ENOUGH VENT, LOC EXHST AT ARC/BOTH TO KEEP FUMES & GASES BELOW TLV'S IN WORKERS BRTHG ZONE & GENL AREA.

Protective Gloves:WELDING GLOVES.

Eye Protection:WEAR HELMET/USE FACE SHIELD (SUPP DATA)

Other Protective Equipment:WEAR HEAD, HAND & BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION SPARKS & ELECT SHOCK. AT MIN, (SUPP DATA)

Work Hygienic Practices:TRAIN WELDER TO KEEP HEAD OUT OF FUMES, NOT TO TOUCH LIVE ELCT PART

S & TO INSULATE HIMSELF FROM WORK & GROUND.

Supplemental Safety and Health

EYE PROT: WITH FILTER LENS. START W/A SHADE WHICH IS TOO DARK TO SEE WELD ZONE. THEN GO TO NEXT LIGHTER SHADE WHICH GIVES SUFFICIENT VIEW OF WELD ZONE. PROVIDE PROT SCREENS & FLASH GOGGS, IF NEC, TO S HIELD OTHERS. OTHER PROT: INCLUDES PROTFCSHLD & MAY INCLUDE ARM PROTS, APRONS, HATS, SHOULDER PROT, AS WELL (ING 13)

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

Stability Indicator/M

aterials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:FLUORIDES, COMPLEX OXIDES OF METALS LISTED IN INGREDIENTS, CO, CO*2, O*3, NO*X.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CNTNR, OR LINER IN AN ENVIRON ACCEPTABLE MANNER, IN FULL COMPLIANCE

WITH

FEDERAL, STATE & LOCAL REGULATIONS .

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