

ALLOY RODS CORPORATION -- ATOM ARC 11018M 0.125 10 LB -- 3439-00-165-4167

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Product Identification
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Product ID:ATOM ARC 11018M 0.125 10 LB
MSDS Date:06/06/1986
FSC:3439
NIIN:00-165-4167
MSDS Number: BDDSZ
=== Responsible Party ===
Company Name:ALLOY RODS CORPORATION
Address:WILSON AVENUE
Box:517
City:HANOVER
State:PA
ZIP:17331
Info Phone Num:717-637-8911
Emergency Phone Num:717-637-8911
CAGE:84021
=== Contractor Identification ===
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
Other REC Limits:5MG/M*3
OSHA PEL:10MG/M*3
ACGIH TLV:5MG/M*3

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Other REC Limits:10MG/M*3
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 T

DUST; 9293

Ingred Name:SODIUM SILICATE

CAS:6834-92-0

RTECS #:VV9275000

OSHA PEL:5MG/M*3 (RESP. DUST)

ACGIH TLV:0.1MG/M*3(RESP.DUST)

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

Other REC Limits:10MG/M*3

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #:XR2275000

Other REC Limits:10MG/M*3

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:O

O9275000

Other REC Limits:5MG/M*3 (C)

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

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:POTASSIUM SILICATE

CAS:1312-76-1

OSHA PEL:5MG/M*3 (RESP.DUST)

ACGIH TLV:0.1MG/M*3(RESP.DUST)

Ingred Name:CALCIUM FLUORIDE

CAS:7789-75-5

RTECS #:EW1760000

Other REC Limits:2.5MG/M*3

OSHA PEL:2.5 MG/M3 (F)

ACGIH TLV:2.5 MG/M3 (F); 8990

Ingred Name:POTASSIUM FELDSPAR

Other REC Limits:10MG/M

*3(NUISANCE)
OSHA PEL:NOT LISTED
ACGIH TLV:NOT LISTED

Ingred Name:ZIRCON (ZIRCONIUM IV,SILICATE)
CAS:14940-68-2
RTECS #:ZH9000000
Other REC Limits:5 MG/M*3
OSHA PEL:5 MG/M3/10 STEL (ZR)
ACGIH TLV:5 MG/M3/10 STEL (ZR)

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Other REC Limits:0.5MG/M*3
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
Other REC Limits:5MG/M*3
OSHA PEL:15 MG/M3 TDUST
ACGIH T
LV:10 MG/M3; 9293

Ingred Name:ZIRCONIUM
CAS:7440-67-7
RTECS #:ZH7070000
Other REC Limits:5 MG/M3 (MFR)
OSHA PEL:5 MG/M3/10 STEL
ACGIH TLV:5 MG/M3/10 STEL;9192

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS
FORMS) (SARA III)
CAS:1344-28-1
RTECS #:BD1200000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
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ports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ACUTE:METALLIC TASTE,NAUSEA,TIGHTNESS OF CHEST,FEVER,DIZZINESS,DRYNESS,IRRITATION OF EYES,NOSE,THROAT. CHRONIC:EXCESSIVE LEVELS MAY CAUSE BRONCHIAL ASTHMA,LUNG FIBROSIS,SIDEROSIS. ARC RAYS CAN INJURY EYES & BURN SKIN. ELECTRIC SHOCK CAN KILL.

Explanation of Carcinogenicity:CHROMIUM VI IS A HUMAN CARCINOGEN. CHROMIUM III IS A SUSPECTED HUMAN CARCINOGEN. NICKEL IS A SUSPECTED HUMAN CARCINOGEN.

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:AGGRAVATION OF EXISTING RESPIRATORY OR ALLERGIC CONDITIONS. HIGHER LEVEL OF LUNG RELATED PROBLEMS AMONG SMOKERS.

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

First Aid:REMOVE FROM EXPOSURE & OBTAIN PROMPT MEDICAL ATTENTION. IF NOT BREATHING,GIVE CPR. IF UNCONSCIOUS,GIVE OXYGEN. EMPLOY FIRE AID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.

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

Flash Point:NONE
Extinguishing Media:APPROPRIATE FOR SURROUNDING FIRE.
Unusual Fire/Explosion Hazard:WELDING ARCS & SPARKS CAN IGNITE COMBUSTIBLE PRODUCTS.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE & PLACE IN APPROPRIATE DISPOSAL CONTAINER.

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

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES.
MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST

Protective Gloves:WELDER'S GLOVES

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS

Other Protective Equipment:SUBSTANTIA

L DARK CLOTH,ARM
PROTECTOR,APRON,HAT,SHOULDER PROTECTION.
Work Hygienic Practices:WASH AFTER HANDLING.
Supplemental Safety and Health

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

HCC:N1
Appearance and Odor:WELDING ROD 0.125 INCHES DIAMETER BY 14 INCHES
LONG.

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

Stability Indicator/Materials to Avoid:YES
Hazardous Decomposition Products:FUMES OF METALS & METAL
OXIDES,CO,CO*2,NO*2,O*3,FLUORIDES

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

Waste Disposal Methods:DISPOSE OF IAW FEDERAL,STATE & LOCAL
REGULATIONS.

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