

ALLOY RODS CORPORATION -- ATOM ARC 11018M 0.156 10LB -- 3439-00-165-4165

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===== Product Identification =====

Product ID:ATOM ARC 11018M 0.156 10LB
MSDS Date:06/06/1986
FSC:3439
NIIN:00-165-4165
MSDS Number: BDDSW
=== 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
CAG
E: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 =====

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 TDUS

T; 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 #:OO92

75000

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/M3
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 TLV:10
MG/M3; 9293

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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: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.

Explanatio

n 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.

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

First Aid:REMOVE FROM EXPOSURE & OBTAIN PROMPT MEDICAL ATTENTION. IF
NOT B

REATHING,GIVE CPR. IF UNCONSCIOUS,GIVE OXYGEN. EMPLOY FIRE AID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:APPROPRIATE FOR SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:WELDING ARCS & SPARKS CAN IGNITE COMBUSTIBLE PRODUCTS.

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

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Handling and Storage
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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.

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Exposure Controls/Personal Protection
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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:SUBSTANTIAL DARK CLOTH,ARM PROTECTOR,APRON,HAT,SHOULDER PROTECTION.

Work Hygienic Practices:WASH AFTER HANDLING.

Supplemental Safety and Health

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Physical/Chemical Properties
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HCC:N1

Appearance and Odor:WELDING ROD 0.156 INCHES DIAMETER BY 14 INCHES LONG.

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Stability and Reactivity Data
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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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