

ALLOY RODS CORPORATION -- ATOM ARC 8018-B2 0.125 -- 3439-00-262-2746

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Product Identification  
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Product ID:ATOM ARC 8018-B2 0.125  
MSDS Date:06/06/1986  
FSC:3439  
NIIN:00-262-2746  
MSDS Number: BDPXT  
=== 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 TDUST; 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 #:OO9275000  
Other REC Limits:5MG/M\*3 (C)  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9293

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  
CAS:7789-75-5  
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:5MG/M<sup>3</sup>  
OSHA PEL:5 MG/M<sup>3</sup>/10 STEL (ZR)  
ACGIH TLV:5 MG/M<sup>3</sup>/10 STEL (ZR)

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Other REC Limits:0.5MG/M<sup>3</sup>  
OSHA PEL:1 MG/M<sup>3</sup>  
ACGIH TLV:0.5 MG/M<sup>3</sup>; 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<sup>3</sup>  
OSHA PEL:15 MG/M<sup>3</sup> TDUST  
ACGIH TLV:10 MG/M<sup>3</sup>; 9293

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

Routes of Entr

y: 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.

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

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

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===== 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:SUBSTANTIAL

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 RODS 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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