

ALLOY RODS CORPORATION -- ATOM ARC 8018 0.187 -- 3439-01-038-3773

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Product Identification  
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Product ID:ATOM ARC 8018 0.187

MSDS Date:06/06/1986

FSC:3439

NIIN:01-038-3773

MSDS Number: BGGXQ

=== 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

=== Co

ntractor 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

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d 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 RE  
C 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)

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
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: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  
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First Aid:REMOVE FROM EXPOSURE & OBTA  
IN 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  
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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 GRINDIN

G 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 0.187 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

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

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