

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

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

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

===== 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 TDUST; 9293

Ingre

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)

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

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.

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

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.

===== 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 GRINDIN

G 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 ROD 0.187 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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