

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/M³
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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United Sta

tes of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.