

ALLOY RODS CORPORATION -- ATOM ARC 7018 0.093 10LB -- 3439-00-497-7560

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

Product ID:ATOM ARC 7018 0.093 10LB

MSDS Date:04/04/1988

FSC:3439

NIIN:00-497-7560

MSDS Number: BFBLZ

=== Responsible Party ===

Company Name:ALLOY RODS CORPORATION

Address:WILSON AVENUE

Box:517

City:HANOVER

State:PA

ZIP:17331

Country:US

Info Phone Num:717-637-8911

Emergency Phone Num:717-637-8911

CAGE:84021

=== Contractor Identification ===

Company Name:ES

AB 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 OXIDE

CAS:1309-37-1

RTECS #:NO7400000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred

Name:SODIUM METASILICATE, ANHYDROUS
CAS:6834-92-0
RTECS #:VV9275000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3 8HR
ACGIH TLV:C; 2 MG.M3

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)
CAS:1317-65-3
RTECS #:EV9580000
Other REC Limits:NONE RECOMMENDED
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:NONE RECOMMENDED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:POTASSIUM SILICATE
CAS:1312-76-1
Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM FLUORIDE
CAS:7789-75-5
RTECS #:EW1760000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5 MG/M3 AS F
ACGIH TLV:2.5 MG/M3 AS F

Ingred Name:POTASSIUM ALUMINUM SILICATE (FELDSPAR)
CAS:68476-25-5
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:2 MG/M3

Ingred Name:ZIRCONIUM SILICATE
CAS:14940-68-2
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:5 MG/M3

Ingred Name:ZIRCON (ZIRCONIUM IV,SILICATE)
CAS:14940-68-2
RTECS #:ZH9000000
Other RE

C Limits:5MG/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
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF WELDING FUMES MAY CAUSE NERVOUS SYSTEM AND MUSCLE IRREGULARITIES, IRRITATION OF EYES, NOSE, THROAT, AND RESPIRATORY SYSTEM, METAL FUME FEVER. CHRONIC: PROLONGED OR REPEATED INHALATION OF FUMES MAY CAUSE SIDEROSIS, FLUOROSIS AND AFFECT LUNG FUNCTION.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALATION: NAUSEA, DIZZINESS, DRYNESS OF NOSE AND THROAT, COUGHING, WHEEZING AND SHORTNESS OF BREATH. EYES: REDNESS, TEARING, BLURRED VISION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NEEDED. EYES: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER. INGESTION: DO NOT INDUCE VOMITING. SEE DOCTOR.

===== Fire Fighting Measures =====

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:NON-FLAMMABLE; BUT SPARKS AND WELDING ARC MAY IGNITE COMBUSTIBLES DURING USE.

===== Accidental Release Measures =====

Spill Release Procedures:PICK UP RODS. SWEEP UP OR MOP. PLACE RESIDUE IN A CONTAINER FOR DISPOSAL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:REMOVE ANY COMBUSTIBLES FROM WORK AREA: SPARKS OR WELDING ARC COULD IGNITE NEARBY COMBUSTIBLES

OMBUSTIBLES.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR WELDING FUMES OR SUPPLIED AIR RESPIRATOR IN CONFINED SPACES OR WHERE FUME CONCENTRATION EXCEEDS REGULATORY LIMITS.

Ventilation:USE MECHANICAL OR LOCAL EXHAUST OR BOTH TO MAINTAIN LEVELS OF FUMES BELOW REGULATORY LIMITS.

Protective Gloves:WELDERS WORK GLOVES

Eye Protection:WELDERS HELMET WITH CORRECT LENSES

Other Protective Equipment:CLOTHING TO PROTECT ENTIRE BODY FROM SPARKS.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID ROD

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:Y

ES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:METAL FUMES, FLUORIDES.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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