

## **308 AC-DC 0.125**

### **MSDS Number**

BFCZF

### **National Stock Number**

3439-00-528-9063

### **Product Name**

308 AC-DC 0.125

### **Manufacturer**

ALLOY RODS CORP

### **Product Identification**

Product ID:308 AC-DC 0.125

MSDS Date:07/24/1986

FSC:3439

NIIN:00-528-9063

MSDS Number: BFCZF

### **Responsible Party**

ALLOY RODS CORPORATION

WILSON AVENUE

HANOVER , PA 17331

Emergency Phone: 717-637-8911

Info Phone: 717-637-8911

Cage: 84021

### **Contractor**

ESAB GROUP INC

517

HANOVER, PA 17331

US

717-637-8911 OR 800-933-7070

Cage: 84021

### **Ingredients**

IRON

CAS: 7439-89-6

RTECS: NO4565500

OSHA PEL10MG/M\*3

ACGIH TLV: 5MG/M\*3

NICKEL (SARA III)

CAS: 7440-02-0

RTECS: QR5950000

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

CALCIUM FLUORIDE



CAS: 7789-75-5

RTECS: EW1760000

OSHA PEL2.5 MG/M3 (F)

ACGIH TLV: 2.5 MG/M3 (F); 8990

SODIUM SILICATE

CAS: 6834-92-0

RTECS: VV9275000

OSHA PEL10MG/M\*3(RESP DUST)

ACGIH TLV: 0.1MG/M\*3(RESP DUST)

BENTONITE (AS NUISANCE DUST OR PARTICULATES NOT OTHERWISE

CAS: 1302-78-9

RTECS: CT9450000

OSHA PEL15 MG/M3 TOTAL DUST

ACGIH TLV: 10 MG/M3 TDUST;8990

CHROMIUM (SARA III)

CAS: 7440-47-3

RTECS: GB4200000

OSHA PEL1 MG/M3

ACGIH TLV: 0.5 MG/M3; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS: 1317-65-3

RTECS: EV9580000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9192

SILICA, CRYSTALLINE - QUARTZ

CAS: 14808-60-7

RTECS: VV7330000

OSHA PELSEE TABLE Z3



ACGIH TLV: 0.1 MG/M3 RDUST;9293

POTASSIUM SILICATE

CAS: 1312-76-1

OSHA PEL10MG/M\*3(RESP DUST)

ACGIH TLV: 0.1MG/M\*3(RESP DUST)

## Hazards

Routes of Entry: 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 INJUR E EYES & BURN SKIN. ELECTRIC SHOCK CAN KILL.  
Explanation of Carcinogenicity:CHROMIUM VI IS A HUMAN CARCINOGEN. CHROMIUM III IS A SUSPECTED HUMAN CARCINOGEN. NI 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

First Aid:REMOVE FROM EXPOSURE & OBTAIN PROMPT MEDICAL ATTENTION. IF UNCONSCIOUS,GIVE OXYGEN. IF NOT BREATHING,GIVE CPR. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.

## Fire Fighting

Flash Point:NONE  
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Unusual Fire/Explosion Hazard:WELDING ARCS & SPARKS CAN IGNITE COMBUSTIBLE PRODUCTS.

## Accidental Release

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE & PLACE IN APPROPRIATE DISPOSAL CONTAINER.

## Handling

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

Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.  
Ventilation:LOCAL EXHAUST TO MAINTAIN BELOW TLV.  
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 HANDS THOROUGHLY BEFORE EATING,SMOKING,USING SANITARY FACILITIES.  
Supplemental Safety and Health  
THE FUME LIMIT FOR CHROMIUM VI (0.05 MG/M\*3) WILL BE REACHED BEFORE THE GENERAL LIMIT OF 5MG/M\*3 FOR FUMES IS REACHED.MONITOR FUMES FOR CHROMIUM VI LEVEL.

## Chemical Properties

HCC:N1  
Appearance and Odor:WELDING ROD 0.125 INCHES DIAMETER BY 14 INCHES LONG.



## Stability

Stability Indicator/Materials to Avoid: YES

Hazardous Decomposition Products: FUMES OF METALS & METAL  
OXIDES, CO, CO\*2, NO\*2, O\*3, FLUORIDES.

## Disposal

Waste Disposal Methods: DISPOSE OF FUMES, FLUX OR WELD GRINDING RESIDUE  
IAW FEDERAL, STATE & LOCAL REGULATIONS.

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