

ALLOY RODS CORP -- 310 AC-DC -- 3439-00-460-7660

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

Product ID:310 AC-DC
MSDS Date:06/28/1988
FSC:3439
NIIN:00-460-7660
MSDS Number: BJMYK
=== Responsible Party ===
Company Name:ALLOY RODS CORP
Address:WILSON AVE
Box:517
City:HANOVER
State:PA
ZIP:17331
Country:US
Info Phone Num:717-637-8911
Emergency Phone Num:717-637-8911
CAGE:GO230

=== Contractor Identification =
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Company Name:ALLOY RODS CORP
Address:1500 KAREN LN
Box:517
City:HANOVER
State:PA
ZIP:17331
Country:US
Phone:717-637-8911
CAGE:GO230
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:THE BELOW LISTED INGREDIENTS (2-10) ARE PRESENT IN THE AS SHIPPED PRODUCT.

RTECS #:9999999ZZ

Ingred Name:IRON
CAS:7439-89-6
RT

ECS #:NO4565500
OSHA PEL:10 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)
CAS:1317-65-3
RTECS #:EV9580000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:SODIUM SILICATE
CAS:6834-92-0
RTECS #:VV9275000

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:CALCIUM FLUORIDE
CAS:7789-75-5
RTECS #:EW1760000
OSHA PEL:2.5 MG/M3 FUME
ACGIH TLV:2.5 MG/M3 FUME

Ingred Name:FELDSPAR
CAS:68476-25-5

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFA

CTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:FUMES & GASES CAN BE DANGEROUS TO YOUR HEALTH. SHORT-TERM (ACUTE) OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA OR DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES. LONG TERM (CHRONIC) OVEREXPOS MAY LEAD TO SIDEROSIS (IRON DEPOSITS IN LUNG) & IS BELIEVED BY SOME (SEE EFFECTS OF OVEREXPOS)

Explanation

of Carcinogenicity:CHROMIUM:CLASS 1 (IARC, NTP);
NICKEL:CLASS 1 (IARC) CLASS 2 (NTP)

Effects of Overexposure:HEALTH HAZARD:INVESTIGATORS TO AFFECT PULMONARY FUNCTION. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL.

Medical Condition Aggravated by Exposure:PRE-EXISTING RESPIRATORY OR ALLERGIC CONDITIONS.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O₂/ARTIFICIAL RESP). INGESTION:SEE MD .

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

Flash Point:NONFLAMMABLE

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE .

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:THE FUME LIMIT FOR CR VI (0.05 MG/M³) WILL BE REACHED BEFORE THE GENERAL LIMIT OF 5 MG/M³ FOR FUMES IS REACHED. MONITOR FUMES FOR CR VI LEVEL.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRABLE FUME RESPIRATOR. UTILIZE AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT K

EEP

EXPOSURE BELOW TLV.

Ventilation:USE ENOUGH VENT/LOCAL EXHAUST AT ARC TO KEEP FUMES & GASES BELOW TLV'S.

Protective Gloves:LEATHER WELDERS GLOVES .

Eye Protection:HELMET OR FACESHIELD W/SHADED LENS.

Other Protective Equipment:ARC PROTECTORS, APRONS, HATS, SHOULDER PROTECTION, AS WELL AS DARK SUBSTANTIAL CLTHG.

Work Hygienic Practices:TRAIN WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS & TO INSULATE HIMSELF FROM WORK & GROUND, & KEEP HEAD OUT OF FUMES.

Supplemental Safety and Health

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NONE SPECIFIED BY MANUFACTURER.

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:FLUORIDES,COMPLEX OXIDES OF
FE,CR,NI,MN,SI,CO,CO*2, NITROGEN OXIDES,WELDING FUME NDC(TLV/PEL=5
MG/M3,TOTAL PARTICULATES)

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT RESIDUE, DISPOSABLE CONTAINER, OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER I/A/W FEDERAL, STATE AND LOCAL REGULATIONS .

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