

ALLOY RODS CORPORATION -- 310 LIME -- 3439-01-104-9528

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

Product ID:310 LIME

MSDS Date:08/11/1993

FSC:3439

NIIN:01-104-9528

MSDS Number: BXYDZ

=== 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

=== Contractor Identificati

on ===

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/M3

OSHA PEL:10MG/M3

ACGIH TLV:5MG/M3

Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 15-18%

Other REC Limits:1MG/M3

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:

MANGANESE  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 2%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CHROMIUM  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 20-30%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:FLUORINE  
CAS:7782-41-4  
RTECS #:LM6475000  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:CALCIUM CARBONATE  
CAS:471-34-1  
RTECS #:FF9335000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICON & SILICON DIOXIDE  
  
CAS:7440-21-3  
RTECS #:VW0400000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICATE BINDERS  
CAS:10006-28-7  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV: 5 MG/ME WELDING FUMES  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:ACUTE-MAY INCLUDE IRRITATION OF THE  
EYE, LUNG, NOSE & THROAT. PULMONARY EDEMA, ASPHYXIAT

ION & DEATH.

CHRONIC-PULMONARY FIBROSIS AND EDEMA.

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:WATERY EYES, NOSE AND THROAT IRRITATION, HEADACHE, DIZZINESS, DIFFICULTY BREATHING, FREQUENT COUGHING OR CHEST PAIN. METALLIC TASTE, NAUSEA, TIGHTNESS OF CHEST AND ALLERGIC REACTION. LANGUOR, SLEEPINE SS, MUSCULAR WEAKNESS, EMOTIONAL DISTURBANCES AN

D SPASTIC GAIT.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH ALLERGIES OR IMPAIRED RESPIRATORY FUNCTION MAY HAVE SYMPTOMS WORSENER BY EXPOSURE TO WELDING FUMES.

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First Aid Measures  
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First Aid:IN CASE OF EMERGENCY CALL FOR MEDICAL AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE RED CROSS. IF BREATHING IS DIFFICULT GIVE OXYGEN & CALL A PHYSICIAN. FOR ELECTRIC SHOCK DISCONNECT & TURN OFF THE POWER. IF NOT BREATHING BEGIN ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF NO DETECTABLE PULSE BEGIN CARDIO PULMONARY RESUSCITATION. IMMEDIATELY CALL PHYSICIAN.

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Fire Fighting Measures  
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Flash Point:NONE

Extinguishing Media:USE EXTINGUISHING MEDIA RECOMMENDED FOR THE BURNING MATERIAL AND FIRE SITUATION.

Fire Fighting Procedures:THIS PRODUCT WILL NOT BURN. HOWEVER, WELDING ARCS AND SPARKS CAN IGNITE COMBUSTIBLES AND FLAMMABLE MATERIALS.

Unusual Fire/Explosion Hazard:NO.

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Handling and Storage  
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Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:TRAIN THE WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS AND TO INSULATE HIMSELF FROM WORK AND GROUND.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION

DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC, OR BOTH, TO KEEP THE FUMES & GASES BELOW THE TLV IN BREATHING ZONES.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:ARM PROTECTORS, APRONS, HATS, SHOULDER PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING.

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING, SMOKING, USING SANITARY FACILITIES.

Supplemental Safety and Health

PROVIDE PROTECTIVE SCREENS AND FLASH GOGGLES, IF NECESSARY, TO SHIELD OTHERS.

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

HCC:N1

Appearance and Odor:SOLID STAINLESS STEEL CORE WIRE WITH FLUX COATING, ODORLESS.

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

Stability Indicator/Materials to Avoid:YES NONE CURRENTLY KNOWN.

Hazardous Decomposition Products:WELDING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THE COMPOSITION ARE BASED ON PROCESS, PROCEDURE & CONSUMMMABLES USED.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER, OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLINACE WITH FEDERAL, STATE A ND LOCAL REGULATIONS.

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