

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 Identification

n ===

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:M

ANGANESE
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, ASPHYXIATI

ON & 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 AND SPASTIC GAIT.

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

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

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.

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

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/Exp

losion Hazard:NO.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

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

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

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 B
ASED 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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by ele
ments of the Department

of Defense. The United States 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.