

ALLOY RODS CORP -- LOW HYDROGEN ELECTRODES AC OR DC, 8018 -- 3439-00-465-1920

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

Product ID:LOW HYDROGEN ELECTRODES AC OR DC, 8018

MSDS Date:05/30/1989

FSC:3439

NIIN:00-465-1920

MSDS Number: BJS GG

=== 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 Nu

m:717-637-8911

CAGE:GO230

=== Contractor Identification ===

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:IRON (LIMITS FOR IRON OXIDE AS FE)

CAS:7439-89-6

RTECS #:NO4565500

OSHA PE

L:10 MG/M3, T DUST  
ACGIH TLV:5 MG/M3, FUME

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

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

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

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

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

Ingred Name:POTASSIUM SILICATE  
CAS:1312-76-1

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

Ingred Name:POTASSIUM FELDSPAR  
CAS:68476-25-5

Ingred Name:ZIRCONIUM SILICATE  
CAS:7440-67-7  
RTECS #:ZH7070000  
OSHA PEL:5 MG/M3;10 MG/M3STEL  
ACGIH TLV:5

MG/M3;10 MG/M3STEL

Ingred Name:WELDING FUMES (NOC) (FROM THE AS USED PRODUCT)

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH. SHORT TERM (ACUTE) OVEREXPOS TO WELDING FUMES MAY RESULT IN DI

SCOMFORT SUCH AS:DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES. (SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:NICKEL:IARC CLASS 1, NTP CLASS 2.

Effects of Overexposure:HLTH HAZ:LONG TERM (CHRONIC) OVEREXPOS MAY LEAD TO SIDEROSIS (IRON DEPOSITS IN THE LUNG) AND IS BELIEVED BY SOME INVESTIGATORS TO AFFECT PULMONARY FUNCTION. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL.

Medical Cond Aggravated by Exposure:RESPIRATORY OR ALLERGIC CONDITIONS.

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

First Aid:INHAL:REMOVE TO FRESH AIR. SUPPORT BREATHING (O\*2/ARTIFICIAL RESPIRATION). INGEST:GET MD IMMEDIATELY .

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

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE .

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

Unusual Fire/Explosion Hazard:NONFLAMMABLE:WELDING ARC AND SPARKS CAN IGNI

TE COMBUSTIBLES. THESE PRODUCTS AS SHIPPED ARE NONHAZARDOUS, NONFLAMMABLE, NONEXPLOSIVE, AND NONREACTIVE.

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

Handling and Storage Precautions:TRAIN WELDER TO KEEP HEAD OUT OF FUMES. TRAIN WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS & TO INSULATE HIMSELF FROM WORK & GROUND.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NIOSH/

MSHA APPROVED RESPIRABLE FUME RESPIRATOR.

IF TLV EXCEEDED OR IN CONFINED SPACE USE AIR SUPPLIED RESPIRATOR.

Ventilation:USE ENOUGH VENT, LOCAL EXHST AT ARC, OR BOTH,TO KEEP FUMES/GASES < TLV'S IN WORKER'S BREATHING ZONE AND GENERAL AREA.

Protective Gloves:LEATHER WELDERS GLOVES .

Eye Protection:HELMET/FACESHIELD W/FILTER LENS.

Other Protective Equipment:ARM PROTECTORS,APRONS,HATS,SHOULDER PROT,AS WELL AS DARK SUBSTANTIAL CLTHG.FLASH GOGGLES & PROT SCREEN TO SHIELD OTHERS.

Work Hy

gienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

Appearance and Odor:WELDING ELECTRODE

===== 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, MN,

SI, NI, CR, MO, CO, CO\*2, OZONE, NITROGEN OXIDES.

===== 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 COMPLIANCE WITH FEDERAL, STATE AN D LOCAL REGULATIONS.

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

This information is formulated for use by elemen

ts 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.