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ALLOY RODS CORPORATION -- ATOM ARC COVERED LOW HYDROGEN ELECTRODES

3439-01-038-5113

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

Product ID:ATOM ARC COVERED LOW HYDROGEN ELECTRODES

MSDS Date:01/01/1987

FSC:3439

NIIN:01-038-5113

MSDS Number: BSFJV

=== Responsible Party ===

Company Name: ALLOY RODS CORPORATION

Address: WILSON AVENUE

Box:517

City:HANOVER

State:PA ZIP:17331

Info Phone Num:717-637-8911

Emergen

cy Phone Num:717-637-8911

CAGE:84021

=== Contractor Identification ===

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: SILICON

CAS:7440-21-3

RTECS #:VW0400000

Other REC Limits: 10MG/M3 OSHA PEL:10 MG/M3 TDUS Τ

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name: SODIUM SILICATE

CAS:6834-92-0

RTECS #:VV9275000

OSHA PEL:5MG/M3 (RESP. DUST) ACGIH TLV:0.1MG/M3(RESP.DUST)

Ingred Name: CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

Other REC Limits:10MG/M3 OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7 RTECS #:XR2275000 Other REC Limits:10MG/M3

OSHA PEL:10 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name: MANGANESE (SARA III)

CAS:74 39-96-5

RTECS #: OO9275000

Other REC Limits:5MG/M3 (C)
OSHA PEL:5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9192

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

OSHA PEL:5MG/M3 (RESP.DUST) ACGIH TLV:0.1MG/M3(RESP.DUST)

Ingred Name: CALCIUM FLUORIDE

CAS:7789-75-5

RTECS #:EW1760000

Other REC Limits: 2.5MG/M3

OSHA PEL:2.5 MG/M3 (F)

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

Ingred Name:POTASSIUM FELDSPAR

Other REC Limit

s:10MG/M3(NUISANCE) OSHA PEL:NOT LISTED ACGIH TLV:NOT LISTED

Ingred Name: ZIRCON (ZIRCONIUM IV, SILICATE)

CAS:14940-68-2 RTECS #:ZH9000000

Other REC Limits:5 MG/M3

OSHA PEL:5 MG/M3/10 STEL (ZR) ACGIH TLV:5 MG/M3/10 STEL (ZR)

Ingred Name: COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST ACGIH TLV:0.2MG/M3 FUME; 9293

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name: MOLYBDENUM (INSOLUBLE COMPOUNDS)

CAS:7439-98-7

RTECS #:QA468000

0

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3; 9293

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

LD50 LC50 Mixture:TLV FOR WELDING FUMES IS 5 MG/MG3

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

Health Hazards Acute and Chronic:ACUTE: FUMES AND GASES CAN CAUSE EYES

AND UPPER RESPIRATORY SYSTEM IRRITATION, AND CENTRAL NERVOUS SYSTEM EFFECTS. ARC RAYS CAN INJURE EYES

AND BURN SKIN. ELECTRIC SHOCK CAN

KILL. NOISE CAN DAMAGE HEA RING. CHRONIC: NEUROLOGICAL DAMAGE, LUNG FIBROSIS, PNEUMOCONIOSIS.

Explanation of Carcinogenicity:NICKEL AND CHROMIUM ARE SUSPECTED CARCINOGENS.

Effects of Overexposure:SHORT TERM EXPOSURE: NAUSEA, FEVER, DIZZINESS, DRYNESS, IRRITATION OF EYES, NOSE AND THROAT, SKIN SENSITIVITY, WATERY EYES, HEADACHE, BREATHING DIFFICULTY, FREQUENT COUGHING, SHORTNESS OF BREATH.

Medical Cond Aggravated by Exposure: AGGRAVATION O

F EXISTING RESPIRATORY

mental Safety and Health DEFINITIVE SPEC=MIL-8018-C3 0.125.
========= Physical/Chemical Properties ==========
HCC:N1 Solubility in Water:INSOLUBLE Appearance and Odor:WELDING ROD 0.125 INCHES DIAMETER BY 14 INCHES LONG.
========= 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,OXIDES OF IRON,MANGANESE,SILICON,NICKEL,CHROMIUM,MOLYBDENUM,COPPER,CO,CO*2,OZ
ONE,NITROGEN OXIDES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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