

ALLOY RODS CORPORATION -- 8018-CM ATOM ARC ELECTRODES -- 3439-00-722-0628

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Product Identification
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Product ID:8018-CM ATOM ARC ELECTRODES

MSDS Date:04/04/1988

FSC:3439

NIIN:00-722-0628

MSDS Number: BFMKZ

=== 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

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AGE: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

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Composition/Information on Ingredients
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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:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST;

9293

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

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

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
CAS:7789-75-5
Other REC Limits:10MG/M3(NUISANCE)
OSHA PEL:NOT LISTED
ACGIH TLV:NOT LISTED

Ingred Name:ZIRCON (ZIRCONIUM IV,SILICATE)
CAS:1494

0-68-2
RTECS #:ZH9000000
Other REC Limits:5MG/M3
OSHA PEL:5 MG/M3/10 STEL (ZR)
ACGIH TLV:5 MG/M3/10 STEL (ZR)

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

Ingred Name:MOLYBDENUM
CAS:7439-98-7
RTECS #:QA4680000
Other REC Limits:5MG/M3
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9293

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

Routes of Entry: Inhalation: YES Skin: NO Ingestion: NO
Reports of Carcinogenicity: NTP: YES IARC: YES OSHA: NO
Health Hazards Acute and Chronic: SHORT TERM EXPOSURE TO WELDING FUMES, GASES OR DUST MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. A CUTaneous EXPOSURE FROM SOME TOXIC GASES MAY CAUSE PULMONARY EDEMA, ASPHYXIATION AND EXCESSIVE EXPOSURE CAN BE FATAL.
Explanation of Carcinogenicity: CHROMIUM VI AND NICKEL ARE LISTED BY NTP AND IARC HUMAN CARCINOGEN AND SUSPECT CARCINOGEN RESPECTIVELY.
Effects of Overexposure: DURING WELDING: INHALATION OF FUMES: CHOKING, COUGHING, DIFFICULTY IN BREATHING, NAUSEA AND VOMITING. SKIN CONTACT WITH MOLTEN METAL: BURNS, SEVERE PAIN.
Medical Cond Aggravated by Exposure: AGGRAVATION OF EXISTING RESPIRATORY OR ALLERGIC CONDITIONS.

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

First Aid: IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER

WER PRIOR TO REMOVAL

FROM EXPOSURE AREA AND ADMINISTRATION OF FIRST AID. REMOVE FROM EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF NO DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

Flash Point:NONE

Extinguishing Media:APPROPRIATE FOR SURROUNDING FIRE

Unusual Fire/Explosion Hazard:WELDING ARCS & SPARKS CAN IGNITE COMBUSTIBLE PRODUCTS.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE & PLACE IN APPROPRIATE DISPOSAL CONTAINER.

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

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES. MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST

Protective Gloves:WELDER'S GLOVES

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS

Other Protective Equipment:WEAR HAND, HEAD, AND BODY PROTECTION.

Work Hygienic Practices:WASH AFTER HANDLING.

Supplemental Safety and Health

WELDING A

AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY.

THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THE PRESENCE OF CONTAMINANTS. CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES.

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

HCC:N1

Appearance and Odor:WELDING RODS 0.125 INCHES DIAMETER BY 14 INCHES LONG

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===== St

ability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

Stability Condition to Avoid: NONE

Hazardous Decomposition Products: FUMES OF METALS & METAL
OXIDES, CO, CO₂, NO₂, O₃, FLUORIDES

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

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

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