

MIL-11018-M WELDING ELECTRODE

MSDS Number

BFBDP

National Stock Number

3439-00-486-8262

Product Name

MIL-11018-M WELDING ELECTRODE

Manufacturer

TECHALLOY MARYLAND INC REID AVERY DIV

Product Identification

Product ID:MIL-11018-M WELDING ELECTRODE

MSDS Date:11/01/1985

FSC:3439

NIIN:00-486-8262

MSDS Number: BFBDP

Responsible Party

TECHALLOY MARYLAND INC, REID-AVERY DIV.

2310 CHESAPEAKE AVE.

BALTIMORE , MD 21222-4012

Emergency Phone: 301-633-9300

Cage: 59711

Contractor

TECHALLOY COMPANY, INC.

BALTIMORE, MD 21222

US

410-633-9300; 800-638-1458

Cage: 59711

Ingredients

IRON

CAS: 7439-89-6

RTECS: NO4565500

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

SILICON

CAS: 7440-21-3

RTECS: VW0400000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

TITANIUM DIOXIDE

CAS: 13463-67-7

RTECS: XR2275000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

CHROMIUM (SARA III)

CAS: 7440-47-3

RTECS: GB4200000

OSHA PEL1 MG/M3

ACGIH TLV: 0.5 MG/M3; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS: 1317-65-3

RTECS: EV9580000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9192

NICKEL (SARA III)

CAS: 7440-02-0

RTECS: QR5950000

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

POTASSIUM TITANATE

CAS: 12030-97-6

SODIUM SILICATE

CAS: 6834-92-0

RTECS: VV9275000

ACGIH TLV: 5 MG/CUM

FELDSPAR

CAS: 68476-25-5

MOLYBDENUM

CAS: 7439-98-7

RTECS: QA4680000

OSHA PEL15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3; 9293

COLUMBIUM
CAS: 7440-03-1
OSHA PEL5 MG/CUM
ACGIH TLV: 5 MG/CUM

CALCIUM FLUORIDE
CAS: 7789-75-5
RTECS: EW1760000
OSHA PEL2.5 MG/M3 (F)
ACGIH TLV: 2.5 MG/M3 (F); 8990

ALUMINUM SODIUM FLUORIDE (SODIUM FLUOALUMINATE OR CRYOLITE)
CAS: 15096-52-3
RTECS: WA9625000
OSHA PEL2.5 MG/M3 (F)
ACGIH TLV: 2.5 MG/M3 (F); 8990

CHROMIUM (III) OXIDE
CAS: 1308-38-9
RTECS: GB6475000
OSHA PEL0.5 MG/M3 (CR)
ACGIH TLV: 0.5 MG/M3 (CR); 8990

POTASSIUM SILICATE
CAS: 1312-76-1
ACGIH TLV: 5 MG/CUM

POTASSIUM HYDROXIDE (SARA III)
CAS: 1310-58-3
RTECS: TT2100000
OSHA PELC, 2 MG/M3
ACGIH TLV: C 2 MG/M3; 9192
EPA Report Quantity: 1000 LBS
DOT Report Quantity: 1000 LBS

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE:MAY RESULT IN DISCOMFORT SUCH AS
DIZZINESS,NAUSEA,DRYNESS OR IRRITATION OF NOSE,THROAT OR
EYES,TIGHTNESS IN CHEST,FEVER & ALLERGIC REACTIONS. CHRONIC:MAY
LEAD TO SIDEROSIS & IS BELIEVED BY SOME INVESTIGATORS TO AFFECT

PULMONARY FUNCTION.

Explanation of Carcinogenicity:NICKEL & CHROMIUM ARE LISTED AS CARCINOGENIC.

Effects of Overexposure:SEE "HEALTH HAZARDS".

Medical Cond Aggravated by Exposure:NONE STATED

First Aid

First Aid:REMOVE TO FRESH AIR.IF BREATHING IS DIFFICULT,ADMINISTER OXYGEN,IF BREATHING HAS STOPPED,APPLY ARTIFICIAL RESPIRATOR; GET MEDICAL HELP.

Fire Fighting

Extinguishing Media:USE PROPER MEDIA FOR SURROUNDING FIRE.

Fire Fighting Procedures:NEED TO WEAR PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:WELDING ARC & SPARKS CAN IGNITE COMBUSTIBLES.

Accidental Release

Spill Release Procedures:SWEEP UP OR SCOOP UP.

Handling

Handling and Storage Precautions:USE EXHAUST SYSTEM TO CLEAR WELDING FUMES.

Exposure Controls

Respiratory Protection:USE RESPIRABLE FUME RESPIRATORY OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE ADEQUATE GENERAL VENTILATION & LOCAL EXHAUST AT THE ARC.

Protective Gloves:WELDER'S GLOVES

Eye Protection:HELMET/FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING.

Supplemental Safety and Health

Chemical Properties

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID WIRE OR ROD.

Percent Volatiles by Volume:0

Stability

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE STATED

Hazardous Decomposition Products:IT IS COMPLEX & CAN NOT BE CLASSIFIED EASILY,DEPENDING ON THE ELECTRODE USED,COATING & CONTAMINANTS IN THE ATMOSPHERE.

Disposal

Waste Disposal Methods:DISCARD ANY PRODUCT RESIDUE,DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

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