View NSN Online: https://aerobasegroup.kr/nsn/3439-00-262-2742

INWELD MFG CORP -- COVERED ELECTRODE FOR MMAW -- 3439-00-262-2742

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

Product ID:COVERED ELECTRODE FOR MMAW

MSDS Date:09/01/1989

FSC:3439

NIIN:00-262-2742

MSDS Number: BWSDX === Responsible Party ===

Company Name: INWELD MFG CORP

Address:1471 JERSEY AVE City:NORTH BRUNSWICK

State:NJ ZIP:08902 Country:US

Info Phone Num:800-346-5368, FAX:201-545-3831

Emergency Phone Num

:201-545-3800 CAGE:66376

=== Contractor Identification ===

Company Name: INWELD MFG CORP

Address:3962 PORTLAND ST

Box:40

City:COPLAY

State:PA

ZIP:18037-0040

Country:US

Phone:610-261-1900

CAGE:66376

======= Composition/Information on Ingredients ========

Ingred Name: NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 40-70%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9394

Ingred Name: CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fract

ion by Wt: 0-15%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9394

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:IRON CAS:7439-89-6

RTECS #:NO4565500 Fraction by Wt: 0.5-10%

Other REC Limits: NONE RECOMMENDED

Ingred Name: MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000 Fraction by Wt: 0.5-6%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:C 5 MG/M3

ACGIH TLV:5 MG/M3, DUST; 9394

Ingred Name: MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000 Fraction by Wt: 0-15%

Other REC Lim

its:NONE RECOMMENDED

OSHA PEL:10 PPM. ACGIH TLV:10 PPM.

Ingred Name: NIOBIUM (ALSO CALLED COLUMBIUM)

CAS:7440-03-1 Fraction by Wt: 0-5%

Other REC Limits: NONE RECOMMENDED

Ingred Name: COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000 Fraction by Wt: 0-2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST ACGIH TLV:0.2 MG/M3 FUME; 9394

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

Ingred Name: SILICON

CAS:7440-21-3

RTECS #:VW0400000 Fraction by Wt: 0.1-1.0%

Other REC Limits: NONE RECOMMEN

DED

OSHA PEL:10 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:TITANIUM

CAS:7440-32-6

RTECS #:XR1700000 Fraction by Wt: 0-2%

Other REC Limits: NONE RECOMMENDED

Ingred Name: GRAPHITE (NATURAL)

CAS:7782-42-5

RTECS #:MD9659600 Fraction by Wt: 0-3%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MPPCF; Z-3

ACGIH TLV:2 MG/M3 RDUST; 9394

Ingred Name: CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000 Fraction by Wt: 5-10%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MG/M3 TD

UST

ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name: CALCIUM FLUORIDE

CAS:14542-32-6 RTECS #:9999999ZZ Fraction by Wt: 2-5%

Other REC Limits: NONE RECOMMENDED

Ingred Name:STRONTIUM CARBONATE

CAS:1633-05-2

Fraction by Wt: 0-15%

Other REC Limits: NONE RECOMMENDED

Ingred Name: CRYOLITE (SODIUM ALUMINUM FLUORIDE)

CAS:15096-52-3 RTECS #:WA9625000 Fraction by Wt: 2-5%

Other REC Limits: NONE RECOMMENDED

Ingred Name: POTASSIUM TITANATE

CAS:12030-97-6 Fraction by Wt: 0-3%

Other REC Limits: NONE RECOMMENDED

Ingr

ed Name:TITANIUM DIOXIDE CAS:13463-67-7 RTECS #:XR2275000 Fraction by Wt: 0-10% Other REC Limits: NONE RECOMMENDED OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3 TDUST; 9394 Ingred Name: POTASSIUM SILICATE CAS:1312-76-1 Fraction by Wt: 0-2% Other REC Limits: NONE RECOMMENDED Ingred Name: SODIUM SILICATE CAS:1344-09-8 Fraction by Wt: 1-5% Other REC Limits: NONE RECOMMENDED Ingred Name: PRODUCT ECWNI CONTAINS ABOUT 70% COPPER & 30% NICKEL. RTECS #:9999999ZZ Other REC Limits: NONE RECOMMENDED ========= ====== Hazards Identification ============ Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:YES | IARC:YES | OSHA:YES Health Hazards Acute and Chronic: ELECTRIC ARC-WELDING MAY CREATE ONE OR MORE OF HEALTH HAZ:FUMES/GASES-DANGEROUS TO HEALTH:ARC RAYS-INJURE EYES, BURN SKIN; ELECTRIC SHOCK-KILL. SHORT-TERM OVEREXPO TO WELDING FUMES RESULT IN DISCOMFORT. LONG-TERM OVEREXPO MAY LEAD TO SIDEROSIS(IRON DEPOSIT IN LUNGS) & BELIEVED BY SOME TO AFFECT PULM FUNCTION. Explanation of Carcinogenicity: PER MSDS: CONTAINS NICKEL &

CHROMIUM: CARCINOGENICITY-YES.

Effects of Overexposure: ACUTE: DIZZINESS, NAUSEA, DRYNESS, IRRIT OF NOSE/THROAT/EYES, TIGHTNESS IN CHEST, FEVER, ALLERGIC RXS. CHRONIC:SIDEROSIS, AFFECT PULM FUNCTIN.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid:REMOVE TO FRESHAIR. OBTAIN MED ATTN. EMPLOY 1STAID TECHNI

QUES RECOMMENDED BY AMERICAN RED CROSS. Extinguishing Media: NONE SPECIFIED BY MANUFACTURER. HOWEVER USE APPROPRIATE EXTINGUISHING MEDIA FOR SURROUNDING FIRE/MATERIALS. Fire Fighting Procedures: NONE SPECIFIED BY MANUFACTURER. HOWEVER USE APPROPRIATE PROTECTIVE CLOTH/EQPMT AS CONDITIONS WARRANT. Unusual Fire/Explosion Hazard: WELDING ARC & SPARKS CAN IGNITE COMBUSTIBLES & FLAMM. REFER TO AMER NAT STD Z49.1 FOR FI RE PREVENTION DURING THE USE OF WELDING & ALLIED PROCEDURES. ======== Accidental Release Measures ============ Spill Release Procedures: NONE SPECIFIED BY MANUFACTURER. ============= Handling and Storage ========================== Handling and Storage Precautions: CLEAR WELD FUMES W/EXHA SYS.MAKE SURE INHAL AIR DOESN'T CONTAIN FUME CONSTITUENTS ABOVE PEL.SEE AMER STD Z49.1-1983"SAF IN WELD/CUT"&WELD HANDBK VOL1. Other Precautions: SEE AWS PUBLICATION: "FUMES & **GASES IN WELDING** ENVIRO", AWS F1.1, AWS F1.2-1985. ONE RECOMMENDED WAY TO DETERMINE COMPOSITION/QUANT OF FUME/GASES TO WHICH WORKERS ARE EXPO IS TO TAKE AIR SAMPLE FRM INSIDE WELDER'S HELMET OR WORKER'S BREATH ZONE ===== Exposure Controls/Personal Protection ======== Respiratory Protection: USE RESPIRABLE FUME RESPIRTORY OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPO BELOW RECOMMENDED EXPO LIMIT Ventilation: USE ENOUGH VENTI/LOC EXHAU @ARC/BOTH TO KEEP FUME/GAS FRM WORKER'S BREATH ZONE & GENERAL AREA. Protective Gloves:WELDER'S GLOVE Eye Protection: HELMET, FACESHIELD W/FILT LENS. Other Protective Equipment: SCREENS/FLASH GOGG TO SHIELD OTHERS. START

Other Protective Equipment:SCREENS/FLASH GOGG TO SHIELD OTHERS.START W/SHADE TOO DARK TO SEE WELD ZONE & CONT TIL SEE ZONE.HAND/HEAD/BODY PROT

Work Hygienic Practices:READ/UNDERSTAND MFG'S INSTRUCTIONS/PRECAUT LABEL ON PRODUCT.TRAIN WELDER KEEP HEAT OUT OF FUMES & INSULATE FRM WORK/GRND

Supp

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements 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.

lemental Safety and Health