

INWELD MFG CORP -- 347-16 STAINLESS STEEL BARE WELD WIRE/COATED WELD ELECTRODES
-- 3439-00-178-8575

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

Product ID:347-16 STAINLESS STEEL BARE WELD WIRE/COATED WELD ELECTRODES

MSDS Date:12/01/1989

FSC:3439

NIIN:00-178-8575

MSDS Number: CFYWP

=== Responsible Party ===

Company Name:INWELD MFG CORP

Address:1471 JERSEY AVE

City:NORTH BRUNSWICK

State:NJ

ZIP:08902

Country

:US

Info Phone Num:201-545-3800

Emergency Phone Num:201-545-3800

CAGE:66376

=== Contractor Identification ===

Company Name:INWELD

Box:UNKNOW

CAGE:4T388

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

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

Ingred Name:CARBON

Fraction by Wt: 0.08%

Other REC Limits:NONE RECOMMENDED

Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:

GB4200000

Fraction by Wt: 19-21.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9596

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 9-11%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9596

Ingred Name:MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000

Fraction by Wt: 0.75%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 PPM.

ACGIH TLV:10 PPM.

Ingred Name:MANGANESE (SARA 313)

CAS:

7439-96-5

RTECS #:OO9275000

Fraction by Wt: 1-2.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 5 MG/M3 (FUME)

ACGIH TLV:0.2 MG/M3; 9596

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 0.3-.65%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 0.75%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2 MG/M3 FUME; 9596

EPA Rp

t Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:WELDING ELECTRODE/WIRE NONHAZ SOLID
@AMB TEMP.HAZARDS MAY RESULT FROM FUME GENERATED
DURING
WELDING.SHORT TERM EXPO TO WELD FUME MAY RESULT IN
DISCOMFT,DIZZ,NAU,DRY/IRRIT OF THROAT.LONG TERM EXPO TO WELD
FUME/GAS/DUST MAY CONTRIBUTE TO PULM IRRIT,PNEUMOCONIOSIS.LONG TERM
EXPO TO IRON FUME MAY PRODUCE SIDEROSIS (SUPPLM)
Explanation of Carcinogenicity:PER MSDS:NICKEL & CHROMIUM CMPDS.
Effects of Overexposure:DISCOMFORT,DIZZINESS,NAUSEA,DRYING/IRRIT
THROAT.PUL IRRIT,PNEUMOCONIOSIS.SIDEROSIS, CANCER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACT
URER.

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

First Aid:NONE SPECIFIED BY MANUFACTURER. HMIS:USE AMERICAN RED CROSS
FIRST AID.

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

Flash Point:NON-FLAMMABLE
Autoignition Temp:Autoignition Temp Text:NP
Lower Limits:NP
Upper Limits:NP
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.
Unusual Fire/Explosion Hazard:WELDING ARC,OPNE FLAME & S

PARKS CAN

IGNITE COMBUSTIBLES.SEE ANSI/ASC Z49.1-1983 SEC 5.

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

Handling and Storage Precautions:1 RECOMMENDED WAY TO DETERMINED
COMPO/QUANT OF FUME/GAS WORKERS EXPO TO IS TAKE AIR SMPL FRM INSIDE
WELDER HELMET OR WORKER BREATHING ZONE.

Other Precautions:WELD/BRAZE FUME/GAS CANT BE CLASSIFIED
SIMPLY.COMPO/QUANT DEPEND UPON METAL BEING
BRAZE/WELD,PROCESS,PROCEDURES/FILLER METALS USED.ALSO COATIN ON
METAL,#O
F WELDER/WORK VOL IN AREA,QUAL/AMT OF VENTI,WE LDER HEAD
POSITION,ATMOSPHER CONTAM.

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN WELDING/BRAZING/SOLDERING IN CONF SPACE/WHERE LOC
EXHAU OR VENTI DOES NOT KEEP EXPO BELOW TLV.

Ventilation:USE ENOUGH VENTI,LOC EXHAU @ARC/FLAME-KEEPS FUME/GAS BEL
TLV IN WORKER BREATH ZONE/GEN AREA.TRAIN-KEEP HEAD OUT OF FUME.

Protective Glove

s:WELDERS GLOVE,FCE SHIELD

Eye Protection:HELMET,FCSHIELD W/FILT LEN,SCREENS.

Other Protective Equipment:SEE AMER NAT STD Z49.1/OSHA PUBL
2208(29CFR1910)-MORE DETAIL INFO ON PPE.FLASH GOGG.HEAD/BODY/ARM
PROT,HAT,APRON,DK CLOT

Work Hygienic Practices:SEE ANSI/AWS F1.1 AVAI FRM AMER WELD
SOC,POB351040,MIA,FLA33135.READ/UNDERSTAND MFG INSTRUCT/PRECAUT
LABEL ON PRODUCT.

Supplemental Safety and Health

APPEARANCE:WELDING PROCESS. HEALTH:GENERALLY REGARDED AS BENIGN.

DECOMPO PRODS:D

URING ELECTRIC ARC WELD:CO,CO2,ZONE,NITROGEN OXIDES.

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

HCC:N1

Boiling Pt:B.P. Text:NP

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:NP

Vapor Density:NP

Spec Gravity:NP

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NP

Solubility in Water:NP

Appearance and Odor:SOLID WIRE OR ROD;ROD COATED W/FLUX FOR USE
W/SHIELDED METAL ARC(SMAW,STIC)(SUP

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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===== Stability and Reactivity Data =====

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:INCLUDE THOSE ORIGINATING FROM BASE METAL & COATING,ETC AS NOTED IN "OTHER PRECAUTION"SEC OF MSDS.RADIATION FROM ARC(SUP)

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

Waste Disposal Methods:NONE SPECIFIED BY MANUFACTURER. HMIS:DISPOSE IAW ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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