

MIDSTATES WIRE -- GAS METAL ARC WELDING WIRE(SOLID) ER 70S-2 -- 3439-00-900-8737

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

Product ID:GAS METAL ARC WELDING WIRE(SOLID) ER 70S-2

MSDS Date:01/01/1992

FSC:3439

NIIN:00-900-8737

MSDS Number: BSFQN

=== Responsible Party ===

Company Name:MIDSTATES WIRE

Address:510 S OAK ST

City:CRAWFORDSVILLE

State:IN

ZIP:47933

Country:US

Info Phone Num:317-362-2200

Emergency Phone Num:317-362-2200

CAGE:85011

=== Contractor Identification =

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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

Company Name:MIDSTATES WIRE

Address:510 S OAK ST

Box:City:CRAWFORDSVILLE

State:IN

ZIP:47933

Country:US

Phone:317-362-2200

CAGE:85011

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

Ingred Name:MAGNETITE/IRON OXIDE

CAS:1309-38-2

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 (MFR)

ACGIH TLV:5 MG/M3 (MFR)

Ingred Name:MANGANESE (SA

RA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:SILICA GEL/SILICONE OXIDE  
CAS:112945-52-5  
RTECS #:VV7310000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 (MFR)  
ACGIH TLV:3 MG/M3 (MFR)

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

CAS:7439-98-7  
RTECS #:QA4680000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9293

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-MAY CAUSE IRRITATION OF EYES,  
LUNGS, NOSE & THROAT. SOME TOXIC GASES MAY CAUSE PULMONARY EDEMA,  
ASPHYXIATIO  
N & DEATH. MAY CAUSE METAL FUME FEVER, METALLIC TASTE,  
DRYNESS/IRRITATION OF THROAT, WA TERY EYES, IRRITATION OF SKIN.  
CHRONIC-MAY ACCUMULATE IN THE LUNGS WHICH MAY BE SEEN AS DENSE  
AREAS ON CHEST X-RAYS.  
Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.  
Effects of Overexposure:MAY CAUSE EYE, LUNGS, NOSE & THROAT IRRITATION.  
SOME TOXIC GASES ASSOCIATED WITH WELDING MAY CAUSE PULMONARY EDEMA,  
ASPHYXIATION & DEATH. COPPER OXIDE FUMES MAY CAUSE METAL FUME  
FEVER,

METALLIC TASTE, DRYNESS/IRRITATION OF THROAT, Watery eyes & IRRITATION OF SKIN.ARC RAYS CAN INJURE EYE & BURN SKIN.ELECTRIC SHOCK KILLS

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:GET MEDICAL CARE IF SYMPTOMS PERSIST. EYES: FLUSH WITH WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. FOR ELECTRIC SHOCK, DISCONNECT & TURN OFF THE POWER. FOR ARC BURN APPLY COLD, CLEAN COMPRESSES. CALL A DOCTOR.

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

Flash Point:NONE  
Extinguishing Media:THIS ALLOY IS NONFLAMMABLE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.  
Unusual Fire/Explosion Hazard:HOT SLAG, SPARKS AND ARC RADIATION ACT AS A SOURCE OF IGNITION AND BURNS. NOTE THAT WHEN USED FOR WELDING, SPARKS COULD IGNITE COMBUSTIBLES IN THE IMMEDIATE AREA.

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

Spill Release Procedures:REMOVE FOR DISPOSAL. AVOID GENERATING DUST.

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

Handling and Storage Precautions:WEAR HEAD HELMET OR FACE SHIELD WITH FILTER LENS SHIELD SHADE #12 OR DARKER. USE SCREENS AROUND WELDING AREA TO PROTECT OTHERS FROM ARC RADIATION  
Other Precautions:PROTECTIVE CLOTHING FOR HEAD, HANDS AND BODY SHOULD BE WORN TO HELP PREVENT INJURY FROM ELECTRICAL SHOCK AND RADIATION AND SPARKS FROM HOT METAL.

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

Respiratory Protection:USE NIOSH-APPROVED RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW PEL, TLV OR STEL.  
Ventilation:LOCAL EXHAUST AT THE ARC (OR FLAME), OR BOTH, TO KEEP T

HE

FUMES AND GASES BELOW PEL'S, TLV'S OR STEL'S IN BREATHING ZONE

Protective Gloves:WELDER'S GLOVE

Eye Protection:PROTECTIVE FACE SHIELD

Other Protective Equipment:EYE WASH STATION, APRONS, HATS, ARM &  
SHOULDER PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING.

Work Hygienic Practices:WASH HANDS AND FACE WITH SOAP AND WATER AFTER  
HANDLING THIS MATERIAL.

Supplemental Safety and Health

NONE

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

HCC:N1

Appearance and Odor

:SOLID STEEL WIRE, COPPER COATED

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

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:METAL OXIDES, CARBON MONOXIDE, CARBON  
DIOXIDE & DECOMPOSITION PRODUCTS ORIGINATING FROM FUMES AND GAS  
CREATED BY WELDING

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

Waste Disposal Methods:USE STANDARD GOOD HOUSEKEEPING PROCEDURES FOR

DISPOSAL OF FLAMMABLE WIRE CARTONS AND HARDBOARD SPOOLS. DISCARDED  
STEEL WIRE CAN BE DISPOSED OF WITH NORMAL SCRAPPED STEEL.

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