

UNITED STATES WELDING CORP -- 4130 LOW ALLOY STEEL WELD WIRE -- 3439-00-606-5425  
===== Product Identification =====

Product ID:4130 LOW ALLOY STEEL WELD WIRE  
MSDS Date:01/06/1987  
FSC:3439  
NIIN:00-606-5425  
MSDS Number: BQCSS  
=== Responsible Party ===  
Company Name:UNITED STATES WELDING CORP  
Address:20700 DEARBORN ST  
City:CHATSWORTH  
State:CA  
ZIP:91311-5912  
Country:US  
Info Phone Num:213-341-2021

Emerg  
ency Phone Num:213-341-2021  
Preparer's Name:JORGE JACOBS  
CAGE:58401  
=== Contractor Identification ===  
Company Name:ASTROLITE ALLOYS DIV OF ASTRO METALLUGICAL  
Address:709 VIA ALONDRA  
Box:City:CAMARILLO  
State:CA  
ZIP:93010-8714  
Country:US  
Phone:805-484-3621  
CAGE:2R602  
Company Name:UNITED STATES WELDING CORP  
Address:3579 HWY 50 E SUITE 104  
Box:City:CARSON CITY  
State:NV  
ZIP:89701-2807  
Country:US  
Phone:775-883-7878  
CAGE:58401

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

Ingre

d Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Other REC Limits:NONE SPECIFIED.  
OSHA PEL:10 MG/M3 FE2O3 FUME  
ACGIH TLV:5 MG/M3 AS FE FUME

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 0.95%  
Other REC Limits:NONE SPECIFIED.  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:MOLYBDENUM  
CAS:7439-98-7  
RTECS #:QA4680000  
Fraction by Wt: 0.20%  
Other REC Limits:NONE SPECIFIED.  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9293

Ingred  
Name:GRAPHITE, SYNTHETIC  
CAS:7440-44-0  
RTECS #:FF5250100  
Fraction by Wt: 0.3%  
Other REC Limits:NONE SPECIFIED.  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:2 MG/M3 TDUST; 9293

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:HEALTH HAZARDS ARE BASED ON HAZARDS  
INVOLVED WHEN METAL RODS AR

E USED IN WELDING. FUMES MAY CAUSE  
DIZZINESS, NAUSEA, IRRITATION OF NOSE AND THROAT, WATERY EYES,  
HEADACHE, BREATHING DIFFICULTY, COUGHING, CHEST PAINS, PULMONARY  
EDEMA, ASPHYXIATION, DEATH, NEUROLOGICAL DAMAGE, LUNG FIBROSIS,  
PNEUMOCONIOSIS, LUNG DISEASES.

Explanation of Carcinogenicity: THIS PRODUCT CONTAINS 2-A  
[53-96-3], AN OSHA REGULATED CARCINOGEN.

Effects of Overexposure: OVEREXPOSURE RESULTS IN DIZZINESS, NAUSEA,  
IRRITATION OF NOSE AND THROAT, WATERY EYES,  
HEADACHE, BREATHING  
DIFFICULTY, FREQUENT COUGHING, CHEST PAINS, PULMONARY EDEMA,  
NEUROLOGICAL DAMAGE, LUNG FIBROSIS, PNEUMOCONIOSIS, AND OTHER LUNG  
DISEASES.

Medical Condition Aggravated by Exposure: PERSONS WITH IMPAIRED PULMONARY  
FUNCTION, AIRWAY DISEASES AND CONDITIONS SUCH AS ASTHMA, EMPHYSEMA,  
CHRONIC BRONCHITIS, ETC MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid: EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF  
IRRITATION

PERSISTS GET MEDICAL ATTENTION. SKIN: IF IRRITATION DEVELOPS REMOVE  
CLOTHING AND WASH AREA OF SKIN WITH SOAP OR MILD DETERGENT. IF  
IRRITATION PERSISTS GET MEDICAL ATTENTION. INHALATION: MOVE TO  
FRESH AIR. IF NOT BREATHING GIVE CPR. IF BREATHING DIFFICULT GIVE  
OXYGEN. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION.

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

Flash Point: NONFLAMMABLE

Extinguishing Media: NONFLAMMABLE. USE MEDIA APPROPRIATE FOR SURROUNDING  
FIRE.

Fire Fighting Procedures: SOLID FORM IS NOT COMBUSTIBLE UNDER NORMAL  
CONDITIONS. USE FIRE FIGHTING METHODS THAT ARE APPROPRIATE FOR THE  
SURROUNDING FIRE.

Unusual Fire/Explosion Hazard: MOLTEN METAL ALLOYS MAY EXPLODE ON  
CONTACT WITH WATER. MAY ALSO REACT VIOLENTLY WITH WATER, RUST, AND  
CERTAIN METAL OXIDES (E.G. OXIDES OF COPPER, IRON, LEAD).

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

Spill Release Procedures: IN SOLID

FORM THIS MATERIAL POSES NO SPECIAL  
CLEAN-UP PROBLEMS.

Neutralizing Agent:NOT RELEVANT.

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

Handling and Storage Precautions:ACTUAL EXPOSURE SHOULD BE DETERMINED  
BY MONITORING THE FUME IN THE OPERATOR'S BREATHING ZONE. TRAIN THE  
EMPLOYEE TO KEEP HIS HEAD OUT OF THE FUMES.

Other Precautions:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR WHEN WELDING,  
BRAZING OR SOLDERING IN A CONFINED SPACE, IF TLV IS EXCEEDED.

Ventilation:LOCAL EXHAUST VENTILATION SHOULD BE USED TO CONTROL  
EXPOSURE TO AIRBORNE FUMES WHENEVER POSSIBLE.

Protective Gloves:WEAR FLAMEPROOF WELDING GLOVES.

Eye Protection:USE SAFETY GLASSES,UNDER WELDING HELMET.

Other Protective Equipment:ARM PROTECTORS, APRONS, HATS, SHOULDER  
PROTECTION. PROVIDE PROTECTION SCREENS AND FLASH GOGGLES, IF  
NECESSARY.

Work Hygienic Practices:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT.

Supplemental Safety and Health

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

HCC:N1

Appearance and Odor:ODORLESS FILLER METAL.

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

Stability Indicator/Materials to Avoid:YES  
NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:METAL FUMES (WHEN PRODUCT IS IN USE).

Conditions to Avoid Polymerization:WILL  
NOT OCCUR.

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

Waste Disposal Methods:PRIOR TO DISPOSAL, CONSIDER IF MATERIAL HAS  
RECOVERY VALUE. DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE  
AND FEDERAL REGULATIONS.

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