

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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