

UNITED STATES WELDING INC -- 312 -- 3439-01-201-5517

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

Product ID:312
MSDS Date:06/01/1987
FSC:3439
NIIN:01-201-5517
MSDS Number: BMGZD
=== Responsible Party ===
Company Name:UNITED STATES WELDING INC
Address:1221 S CLARKSON ST
City:DENVER
State:CO
ZIP:80210
Country:US
Info Phone Num:303-777-2475/818-341-2021
Emergency Phone Num:303-777-2475/818-341-2021

Preparer'
s Name:JORGE JACOBE
CAGE:0EE28
=== Contractor Identification ===
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Address:3703 NW 124TH AVE
Box:City:CORAL SPRINGS
State:FL
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Country:US
Phone:305-344-7925
CAGE:0LT42
Company Name:UNITED STATES WELDING INC
Address:1221 S CLARKSON ST
Box:City:DENVER
State:CO
ZIP:80210
Country:US
Phone:303-777-2475/818-341-2021
CAGE:0EE28

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

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Other REC Limits:N

ONE SPECIFIED

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 20%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 9.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.

Routes of Entry:

Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE-WELDING FUMES MAY CAUSE DISCOMFORT,DIZZINESS,NAUSEA & DRYNESS/IRRITATION OF THE THROAT.CHRONIC-WELDING FUMES,GASES/DUST MAY CAUSE PULMONARY IRRITATION/PNEUMONITIS.IRON FUME MAY PRODUCE SIDEROSIS .NICKEL & HEXAVALENT CHROMIUM HAVE BEEN REPORTED TO BE CARCINOGENIC.

Explanation of Carcinogenicity:THIS MATERIAL CONTAINS CHROMIUM AND NICKEL

Effects

of Overexposure:WELDING FUMES MAY CAUSE DISCOMFORT, DIZZINESS, NAUSEA AND DRYNESS OR IRRITATION OF THE THROAT. FUMES, GASES OR DUSTS MAY CAUSE PULMONARY IRRITATION OR PNEUMONITIS. IRON FUME MAY PRODUCE SIDEROSIS. NICKEL & HEXAVALENT CHROMIUM HAVE BEEN REPORTED TO BE CARCINOGENIC.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE WELDING FUMES.

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

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First Aid:GET MEDICAL CARE IF NEEDED.EYES:FLUSH WITH WATER FOR 15
MINUTES HOLDING EYELIDS OPEN.SKIN:WASH THOROUGHLY WITH SOAP &
WATER.INHALATION:REMOVE TO FRESH AIR.PROVIDE CPR IF
NEEDED.INGESTION:CALL A DOCTOR .

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Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:THIS ALLOY IS NONCOMBUSTIBLE. TO EXTINGUISH A METAL
POWDER FIRE, USE DRY SAND, DRY GRAPHITE OR OTHER CLASS "D" POWDER.

Fire Fighting Procedur

es:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:MOLTEN METAL ALLOYS MAY EXPLODE ON
CONTACT WITH WATER. THEY MAY ALSO REACT VIOLENTLY WITH WATER. MAY
FORM FLAMMABLE HYDROGEN GAS ON CONTACT WITH ACIDS.

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Accidental Release Measures =====

Spill Release Procedures:IN SOLID FORM, THIS MATERIAL POSES NO SPECIAL
CLEAN-UP PROBL
EMS.

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Handling and Storage =====

Handling and Storage Precautions:STORAGE-KEEP MATERIAL IN CLOSED
CONTAINERS AWAY FROM MOISTURE,STRONG OXIDIZERS & ACIDS.

Other Precautions:NO FOOD OR SMOKING IN WORK AREAS. WASH THOROUGHLY
AFTER HANDLING. AVOID BREATHING FUMES AND VAPORS. DO NOT GET IN
EYES, ON SKIN OR ON CLOTHING.

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Exposure Controls/Personal Protection =====

Respiratory Protection:USE 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 THE
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 CLO

THING.

Work Hygienic Practices:WEAR HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCK.

Supplemental Safety and Health

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:ODORLESS FILLER METAL

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS AND ACIDS

Stability Condition to Avoid:FLAM

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Hazardous Decomposition Products:METAL OXIDES. DECOMPOSITION PRODUCTS INCLUDE THOSE ORIGINIATING FROM INGREDIENTS + THOSE FROM THE BASE METAL & COATING.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

Disclaim

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