

GULF WIRE CORP -- WELDING WIRE ALLOYS,AWS A5.10-88 ER 5356 -- 3439-01-041-8804

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

Product ID:WELDING WIRE ALLOYS,AWS A5.10-88 ER 5356

MSDS Date:01/22/1991

FSC:3439

NIIN:01-041-8804

MSDS Number: BMGYP

=== Responsible Party ===

Company Name:GULF WIRE CORP

Address:13901 OLD GENTILLY ROAD

Box:29849

City:NEW ORLEANS

State:LA

ZIP:70189

Country:US

Info Phone Num:504-254-0062

Emergency Phone Num:504-254-0062

CAGE:43769

=== Contractor Id

entification ===

Company Name:AUFHAUSER CORP

Address:39 WEST MALL

Box:City:PLAINVIEW

State:NY

ZIP:11803-4209

Country:US

Phone:212-757-6824/FAX: 516-694-8690

CAGE:59401

Company Name:GULF WIRE CORP

Address:13901 OLD GENTILLY ROAD

Box:City:NEW ORLEANS

State:LA

ZIP:70129

Country:US

Phone:504-254-0062

CAGE:43769

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

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 0.25%MAX

Other REC Limits:NONE SPECIFIED

OSHA PEL:15

MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:IRON
CAS:65996-67-0
Fraction by Wt: 0.40%MAX
Other REC Limits:NONE SPECIFIED

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 0.10%MAX
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: .05-.20%
Other REC Limits:NONE SPECIFIED
OSHA PEL:(C) 5 MG/M
3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:MAGNESIUM
CAS:7439-95-4
RTECS #:OM2100000
Fraction by Wt: 4.5-5.5%
Other REC Limits:NONE SPECIFIED

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: .05-.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:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 0.10%MAX
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10

MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:TITANIUM, METAL
CAS:7440-32-6
RTECS #:XR1700000
Fraction by Wt: .06-.20%
Other REC Limits:NONE SPECIFIED

Ingred Name:OTHER COMPONENTS (TYPE NOT SPECIFIED)
Fraction by Wt: .05-.15%
Other REC Limits:NONE SPECIFIED

Ingred Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

===== 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.EYE:MAY BE BURNED.SKIN:CAN FORM ULCER.INHALE:FUME WITH CHROMIUM(VI) MAY CAUSE LUNG DAMAGE.ORAL:CHROMIUM(VI) SALTS CAN CAUSE SEVERE INJURY/DEATH.NICKEL CAUSES NAUSEA,FEVER.CHRONIC-MAY LEAD TO SIDEROSIS(IRON DEPOSIT IN LUNGS) WHICH MAY AFFECT PULMONARY FUNCTIONS.
Explanation of Carcinogenicity:CONTAINS CHROMIUM. HEXAVALENT CHROMIUM COMPOUNDS MAY BE GENERATED DURING WELDING OPERATION.CAUSES NASAL & LUNG CANCERS.
Effects of Overexposure:WELDING FUMES MAY CAUSE DISCOMFORT, DIZZINESS, NAUSEA. MAY BURN EYES. CAN FORM SKIN ULCER. FUME WITH CHROMIUM(VI) MAY CAUSE LUNG DAMAGE. INGESTION OF CHROMIUM(VI) SALTS CAN CAUSE SEVERE INJURY/DEATH. NICKEL CAUSES NAUSEA, FEVER.

Medical

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

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

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 .

===== 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 Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard: NONE. IN CONTACT WITH ACIDS, HYDROGEN GAS WILL BE FORMED WHICH IS FLAMMABLE AND EXPLOSIVE. FINE SHIPS AND DUST MAY IGNITE READILY.

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

Spill Release Procedures: WEAR RESPIRATORY EQUIPMENT DURING CLEANUP. USE EQUIPMENT THAT KEEPS MATERIAL FROM BECOMING AIRBORNE. TO MINIMIZE DUST GENERATION I.E. WET MOP, HEPA VACUUM.

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

Handling and Storage Precautions: STORAGE-KEEP MATERIAL IN CLOSED CONTAINERS AWAY FROM MOISTURE, STRONG OXIDIZERS & ACIDS.
Other Precautions: NO FOOD OR SMOOKING IN WORK AREAS. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING FUMES AND VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

===== 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 CLOTHING.
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
Melt/Freeze Pt:M.P/F.P Text:970F,521C
Solubility in Water:NEGLIGIBLE
Appearance and Odor:SILVER COLOR, SOLID WIRE - NO ODOR

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS AND ACIDS
Stability Condition to Avoid:FLAMES
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 AN D LOCAL REGULATIONS

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in
no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.