

GULF WIRE CORP. -- ALUMINUM ALLOYS CONTAINING CHROMIUM -- 3439-00-803-9498

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

Product ID:ALUMINUM ALLOYS CONTAINING CHROMIUM

MSDS Date:08/01/1986

FSC:3439

NIIN:00-803-9498

MSDS Number: BJXNR

=== Responsible Party ===

Company Name:GULF WIRE CORP.

Address:13901 OLD GENTILLY ROAD

Box:29849

City:NEW ORLEANS

State:LA

ZIP:70129

Country:US

Info Phone Num:504-254-0062

Emer

gency Phone Num:504-254-0062

CAGE:LO999

=== Contractor Identification ===

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

Company Name:GULF WIRE CORP.

Address:13901 OLD GENTILLY ROAD

Box:29849

City:NEW ORLEANS

State:LA

ZIP:70129

Country:US

Phone:504-254-0062

CAGE:LO999

Company Name:STRATE WELDING SUPPLY CO. INC

CAGE:6P052

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

Ingred Name:

ALUMINUM (SARA III)  
CAS:7429-90-5  
RTECS #:BD0330000  
Fraction by Wt: 80-99.7%  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 0.1-1%  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:COBALT (SARA III)  
CAS:7440-48-4  
RTECS #:GF8750000  
Fraction by Wt: 1-10%  
OSHA PEL:0.1 MG/M3;AS CO  
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:COPPER (SARA III)  
CAS:7440-50-8  
RTECS #:GL  
5325000  
Fraction by Wt: 1-10%  
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:IRON OXIDE  
CAS:1309-37-1  
RTECS #:NO7400000  
Fraction by Wt: 1-10%  
OSHA PEL:10 MG/M3 (FE)  
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:MAGNESIUM  
CAS:7439-95-4  
RTECS #:OM2100000  
Fraction by Wt: 1-10%  
Other REC Limits:NONE ESTABLISHED

Ingred Name:MANGANESE (SARA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 1-10%  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:

5 MG/M3 DUST 9293

Ingred Name:ZINC (SARA III)  
CAS:7440-66-6  
RTECS #:ZG8600000  
Fraction by Wt: 1-10%  
Other REC Limits:NONE ESTABLISHED  
OSHA PEL:10 MG ZNO/M3  
ACGIH TLV:10 MG ZNO/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:SHORT TERM EXPOSURE TO WELDING FUMES,  
GASES OR DUS  
T MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA,  
FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN  
SENSITIVITY MAY ALSO BE NOTED. A CUTE EXPOSURE FROM SOME TOXIC  
GASES MAYCAUSE PULMONARY EDEMA, ASPHYXIATION AND EXCESSIVE EXPOSURE  
CAN BE FATAL.  
Explanation of Carcinogenicity:CHROMIUM IS CONSIDERED POSSIBLE  
CARCINOGEN UNDER NTP AND IARC.  
Effects of Overexposure:EXPOSURE TO WELDING FUMES MAY RESULT IN  
DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AN  
D/OR  
IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE  
NOTED. WATERY EYES, HEADACHE, BREA THING DIFFICULTY, FREQUENT  
COUGHING AND/OR CHEST PAINS MAY OCCURE FROM ACUTE EXPOSURE. TOXIC  
GASES CAN BE FATAL.  
Medical Cond Aggravated by Exposure:SOME WORKERS MAY BE AFFECTED BY A  
PRE-EXISTING CONDITION OR OTHER OCCUPATIONAL ILLNESS BECAUSE OF THE  
WIDE VARIATION IN INDIVIDUAL SUSCEPTIBILITIES.

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

F  
irst Aid:REMOVE FROM DUST OR FUME EXPOSURE. IF BREATHING HAS STOPPED,  
PERFORM ARTIFICIAN RESPIRATION. SUMMON MEDICAL AID IMMEDIATELY.

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

Flash Point:NONE  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:WELDING ARC, OPEN FLAME AND SPARKS CAN  
IGNITE COMBUSTIBLES.

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

Spill Release Procedures:CLEAN UP ANY GRINDI

NG DUST OR WASTE RESIDUES

AND PLACE IN SUITABLE DOT APPROVED CONTAINERS AND DISPOSE OF IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. AVOID INHALATION AND SKIN EXPOSURE.

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

Handling and Storage Precautions:WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Other Precautions:NONE STATED.

=====  
===== Exposur  
e Controls/Personal Protection =====

Respiratory Protection:USE WELD FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN CUTTING, GRINDING OR WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

Ventilation:USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR WELDING TO KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE

Protective Gloves:WELDERS LEATHER GLOVES

E

Eye Protection:OSHA APPROVED GOGGLES/FACE SHIELD W/LENS

Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID WIRE.

==

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

Stability Indicator/Materials to Avoid:YES  
NONE STATED.

Stability Condition to Avoid:NONE STATED.

Hazardous Decomposition Products:WELDING AND CUTTING OPERATION MAY INCLUDE OXIDES OF THE METALS, CHROMATES, COMPLEX METALLICS, AND OZONE.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS

Disclaimer (provided with th

is 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.