

US ALLOY CO DBA WASHINGTON ALLO CO -- AWS A5.10 (SEE SUPPLEMENTAL) --  
3439-01-169-4790

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Product Identification  
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Product ID:AWS A5.10 (SEE SUPPLEMENTAL)  
MSDS Date:01/01/1989  
FSC:3439  
NIIN:01-169-4790  
MSDS Number: BWPFT  
=== Responsible Party ===  
Company Name:US ALLOY CO DBA WASHINGTON ALLO CO  
Address:9809 160TH E  
City:PUYALLUP  
State:WA  
ZIP:98373  
Country:US  
Info Phone Num:206-848-2230  
Emer  
gency Phone Num:206-848-2230  
CAGE:NO119  
=== Contractor Identification ===  
Company Name:U S ALLOY CO DBA WASHINGTON ALLOY CO  
Address:9809 160TH ST E  
Box:73909  
City:PUYALLUP  
State:WA  
ZIP:98373  
Country:US  
Phone:206-848-2230  
CAGE:0AZS7  
Company Name:US ALLOY CO DBA WASHINGTON ALLO CO  
Address:9809 160TH E  
Box:City:PUYALLUP  
State:WA  
ZIP:98373  
Country:US  
Phone:206-848-2230  
CAGE:NO119

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Composition/Information on Ingredients  
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Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90-5  
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TECS #:BD0330000  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9394

Ingred Name:COPPER (SARA III)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 3-7%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2 MG/M3 FUME; 9394  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:MAGNESIUM  
CAS:7439-95-4  
RTECS #:OM2100000  
Fraction by Wt: 2-6%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:BERYLLIUM (SARA III)  
0.04-0.07%.  
CAS:7440-41-7  
RTECS #:DS1750000  
Fraction by Wt: SEE ING  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.002 MG/M3; Z-2  
ACGIH TLV:0.002MG/M3, A2; 9394

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: 3-13%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 0.05-35%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9394  
EPA Rpt Q

ty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:MANGANESE (SARA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 0.5-1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 5 MG/M3  
ACGIH TLV:5 MG/M3, DUST; 9394

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:WELD FUMES/GAS DANGEROUS TO HEALTH.MAY  
RESULT IN DISCOMFORT,DIZZ,NAU,DRYNESS,NOS  
E/THROAT/EYE IRRIT.CR

CMPDS:SEVERE LUNGS/BRONCHIAL TUBES IRRIT,INJURY/DEATH,BURN  
EYES,CAUSE ALLERGIC RX.NASAL SEPTUM ULC  
ERATION/PERFORATION,LIVER/KID DAMAGE.BE:HIGHLY  
TOXIC,PNEUITIS,BERYLLIOSIS,BE DISEASE.PB:SIDEROSIS,AFFECT  
(SUPPLEMENTAL)

Explanation of Carcinogenicity:PER MSDS:CHROMIUM & BERYLLIUM COMPOUNDS  
ARE ON IARC.

Effects of Overexposure:DISCOMFORT, DIZZINESS, NAUSEA, DRYNESS,  
NOSE/THROAT/EYE IRRIT. LUNGS/BRONCHIAL TUBES IRRIT, INJURY, DEATH,  
BURN EYES, A

LLERGIC RXS. NASA SEPTUM ULCERATION/PERFORATION,  
LIVER/KIDNEY DAMAGE, PNEUITIS, B ERYLLIOSIS, BERYLLIUM DEISEASE,  
SIDEROSIS, AFFECT PULM FUNCTION. EYE INJURY.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:CALL FOR MEDICAL ASSISTANCE. USE FIRST AID PROCEDURES  
RECOMMENDED BY AMERICAN RED CROSS. IF BREATHING IS DIFFICULT GIVE  
OXYGEN. IF NOT BREATHIN USE CPR. CONSULT PHYSICIAN IF IR  
RIT OF EYES  
& SKIN OR FL ASH BURNS DEVELOP AFATER EXPOSURE.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:NONE SPECIFIED BY MANUFACTURER. HOWEVER USE  
APPROPRIATE EXTINGUISHING MEDIA FOR SURROUNDING FIRE & MATLS.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:WEDLING ARC AND SPARKS CAN IGNITE  
COMBUSTIBLES.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:READ/UNDERSTAND MFG'S INSTRUCTIONS/PRECAUTIONARY LABEL ON PROD.SEE AMER STD Z49.1 SAF IN WELD/CUT PUBLISHED BY AMER WELD SOC 550 NW LEJUNE RD,MIA,FL33126 & OSHA PUBLICATION 2206,US GOVT,WASHINGTON DC2 0402.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE RESPIRABLE FUME RESP OR AIR SUPPLIED RESP WHEN WELDING IN CONFINED SPACE OF GENERAL WORK AREA WHERE LOCAL EXHAUST &/OR VENTILATION DOES NOT KEEP EXPOSURE BELOW THRESHOLD LIMIT VALUE.

Ventilation:USE PLENTY OF VENTILATION &/OR LOCAL EXH @ARC,KEEP FUME/GAS BELOW TLV W/IN WORKER'S BREATH ZONE & GEN WORK AREA.

Protective Gloves:WELDER'S GLOVES

Eye Protection:FACE SHIELDED W/FILT LENS 12-14 OR DARKER

Other Protective Equipment:APPROVED HEAD/HAND/BODY PROT FROM RADIATION/SPARKS/ELECTR SHOCK.SHIELD OTHER WORKERS/SCREENS/FLASH GOG.INSULATE WELDERS.

Work Hygienic Practices:ADVICE WELDERS KEEP HEAD OUT OF FUMES.TRAIN WELDERS NOT ALLOW ELECT LIVE PARTS CONTACT SKIN/WETCLOTH/GLOVES.

Supplemental Safety and Health

ER4043;ER5356;ER110;ER2319;ER4047;ER4145;ER5183;ER4643. DECOMP PROD:ATM CONTAMINANTS.REASONABLE EXPECTED CONSTITUENTS:COMPLEX OXIDES OF AL,FE,MN,SI,TI,CR,MG,ZN,BE,CU. HEALTH HAZ:PULM FUNCTION.ARC RAYS :EYE INJURY,BURN SKIN.ELECTRIC SHOCK CAN KILL.

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Physical/Chemical Properties  
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HCC:N1

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:WELD FUMES/GAS CAN'T BE CLASSIFIED SIMPLY;DEPENDS ON METAL,PROCEDURE,ELECTRODE,METAL COATING,#OF WELDERS,VENT

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

Waste Disposal Methods:DISCARD ANY PRODUCT, RESIDUE CONTAINER, OR LINER  
IN AN ENVIRONMENTALLY ACCEPTABLE MANNER APPROVED BY LOCAL, STATE  
AND FEDERAL REGULATIONS.

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