

US ALLOY BDA WASHING ALLOY CO -- USA 308-16 -- 3439-00-967-2967

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Product Identification  
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Product ID:USA 308-16  
MSDS Date:03/01/1998  
FSC:3439  
NIIN:00-967-2967  
MSDS Number: CHHPZ  
=== Responsible Party ===  
Company Name:US ALLOY BDA WASHING ALLOY CO  
Address:9809 160TH ST E  
City:PUYALLUP  
State:WA  
ZIP:98373  
Country:US  
Info Phone Num:206-848-2230  
Emergency Phone Num:206-848-2230  
CAGE:MO403

====  
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 BDA WASHING ALLOY CO  
Address:9809 160TH ST E  
Box:City:PUYALLUP  
State:WA  
ZIP:98373  
Country:US  
Phone:206-848-2230  
CAGE:MO403

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Composition/Information on Ingredients  
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Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Other REC Limits:NONE RECOMMENDED

Ingred Na

me:NICKEL (SARA 313) (CERCLA)  
CAS:7440-02-0  
RTECS #:QR5950000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9596

Ingred Name:MOLYBDENUM  
CAS:7439-98-7  
RTECS #:QA4680000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 PPM.  
ACGIH TLV:10 PPM.

Ingred Name:MANGANESE (SARA 313)  
CAS:7439-96-5  
RTECS #:OO9275000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C, 5 MG/M3 (FUME)  
ACGIH TLV:0.2 MG/M3; 9596

Ingred Name:CHROMIUM (SARA 313) (CERCLA)  
CAS:7440-47-3  
RTECS #:GB4200000  
Other REC L  
imits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9596  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:NIOBIUM (ALSO CALLED COLUMBIUM)  
CAS:7440-03-1  
Other REC Limits:NONE RECOMMENDED

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:

CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:CALCIUM FLUORIDE (AS F)

CAS:7789-75-5

RTECS #:EW1760000

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM SILICATE

CAS:1344-09-8

Other REC Limits:NONE RECOMMENDED

Ingred Name:KAOLIN

CAS:1332-58-7

RTECS #:GF1670500

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:2 MG/M3 TDUST; 9596

Ingred Name:POTASSI

UM SILICATE

CAS:1312-76-1

Other REC Limits:NONE RECOMMENDED

Ingred Name:CRYOLITE (SODIUM ALUMINUM FLUORIDE)

CAS:15096-52-3

RTECS #:WA9625000

Other REC Limits:NONE RECOMMENDED

Ingred Name:ZIRCONIUM SILICATES

CAS:7440-67-7

RTECS #:ZH7070000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3/10 STEL;9596

Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2 MG/M3 FUME; 9596

EPA Rpt Qt

y:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:QUARTZ  
CAS:14808-60-7  
RTECS #:VV7330000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:SEE TABLE Z-3  
ACGIH TLV:0.1 MG/M3 RDUST;9596

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:INHAL WELD FUME/GAS CAN BE DANGEROUS  
TO HEALTH.ACUTE OV  
EREXPO MAY RESULT IN  
DICOMFT(DIZZ,NAU,DRYNESS/IRRIT NOSE/THROAT/EYES).INHAL EXTR HI F  
LEVELS MAY CAUSE ADB PAIN,DIZZ,MUSCULAR WEAK,CONVULS.CONTD INHAL  
COULD CAUSE LOSS OF CONSC,DEATH.CR(VI)CMPD IN FUME MAY CAUSE SEVERE  
IRRIT BRONCH LUBE/LUNGS;INGEST CR(VI)(SIGN/SY)  
Explanation of Carcinogenicity:PER MSDS:CHRONMIUM AND NICKEL COMPOUNDS.  
Effects of Overexposure:HEALTH:SALTS MAY CAUSE INJURY/DEATH,MAY BURN  
EYES.CR CMPDS MAY CAUSE ALLERGIC RX IN SOME PEOPLE.NI OXIDES IN  
FUME  
MAY CAUSE TIGHT AROUND CHEST,FEVER,ALLERGIC RX IN SOME  
PEOPLE.CHRONIC:SIDEROSIS,AFFECT PULM FUNCTION,EXCESS CALCIFICATION  
OF BONES/LIGAMENTS OF RIBS/PELVIS/SPINAL  
COL,ULCERATION,/PERFORATION OF (OTH PRECAU)  
Medical Cond Aggravated by Exposure:CHROMIUM COMPOUNDS MAY CAUSE  
ALELRGIC RXS IN SOME PEOPLE.NICKEL OXIDES MAY CAUSE ALLERGIC RXS IN  
SOME PEOPLE.

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

First Aid:CALL FOR MED ASSISTANCE.USE 1ST AID PROCEDURES  
RECOMMENDED BY  
AMERICAN RED CROSS.IF BREATHING IS DIFFICULT GIVE OXY.IF NOT  
BREATHING USE CPR(CARDIOPULMONARY RESUSCITATION).CONSULT PHYSICIAN  
IF IRRIT OF EYES/SKIN OR FLASH BURNS DEVELOP AFTER EXPOSURE.

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

Flash Point:NON-FLAMMABLE  
Lower Limits:NA  
Upper Limits:NA  
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.  
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.  
Unusual Fire/Explosion Hazard:WELDING AND SPA

RKS CAN IGNITE  
COMBUSTIBLES.SEE Z.49-1.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:READ/UNDERSTAND MFG INSTRUC/PRECAUT LABEL.SEE Z49.1 & 29CFR1910.WELDERS SHOULD INSULATE THEMSELVES FRM WORK/GROUND.

Other Precautions:1 METHOD OF DETERM FUMES/GASES CO MPO/QUANT TO WHICH WORKERS EXPO IS TAKE AIR SMPL FRM INSIDE WELD HELMET OR W/IN BREATH ZONE.SEE ANSI/AWS F1.1.SIGN/SYMPT:NASAL SEPTUM,LIV/KID DMG,LUNG FIB,PNEUM.ARC RA Y-INJURE EYE,BURN SKIN.ELECT SHOCK KILL.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR GENERAL WORKAREA WHERE LOC EXHA &/OR VENTI DOESNT KEEP EXPO BEL THRESHOLD LIMIT VALUE.

Ventilation:USE PLENTY OF VENTI &/OR LOC EXHA @ARC TO KEEP FUME/GAS BE TLV W/I BREATHING ZONE/GEN WORKAREA.

Protective Gloves:WELDER GLOVES

Eye Protection:HELMET,FCSHEILD W/FIL LENSE SHADE#12-14

Other Protective Equipment:SHIELD OTHER WORKERS-PROVIDE SCREENS,FLASH GOGG.WEAR APPROV HEAD/HAND/BODY PROT-PROTECT FRM RADIATION,SPARK,ELECT SHOCK.

Work Hygienic Practices:ADVISE WELDER KEEP HEAD OUT OF FUMES;TRAIN NOT TOUCH ELECTRI LIVE PARTS.ARM PROT,APRON,HATS,SHOULDER PROT,DARK SUB

CLOTH

Supplemental Safety and Health

DECOMPO:INFLUENCE BY COAT PRESENT,#OF WELDERS,VOL OF WORKAREA,VENTI QAU/AMT,WELDER HEAD POSITION TO FUME PLUME,CONTAM IN ATM.ORIGINATED FRM VOLATILIZATION,RX,OXID OF INGREDIENTS +FRM BASE METAL,COAT,OTHE R FACTORS AS NOTED.REASONABLE EXPECTED:COMPLEX OXIDES OF AL,FE,MN,SI,TI,CR,NI,CA,MO,CU,&F,CO,CO2,OZONE,NITROGEN OXIDES.

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

HCC:N1

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.

P/F.P Text:NA  
Decomp Temp:Decomp Text:NA  
Vapor Pres:NA  
Vapor Density:NA  
Spec Gravity:NA  
pH:NA  
Evaporation Rate & Reference:NA  
Solubility in Water:NA  
Appearance and Odor:AWS A5.4(STICK ELECTRODE);AWS A5.9(SOLID WIRE)  
Percent Volatiles by Volume:NA  
Corrosion Rate:NA

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

NONE SPECIFIED BY MANUFACTURER.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:WED FUMES/GAS CANT BE CLASSIFIED

SIMPLY.COMPO/QUANT DEPEND UPON METZL BEING  
WELD,PROCEDURES,ELECTRODES USED.ALSO(SUPPLE)

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

Waste Disposal Methods:DISCARD ANY PRODUCT,RESIDUE DISPO CNTNR,LINER IN  
ENVIRO ACCEPTABLE MANNER APPROV BY LOCAL, STATE AND FEDERAL  
REGULATIONS.

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