

U S ALLOY CO BDA WASHINGTON ALLOY CO -- AMS 5776 -- 3439-01-224-5727

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

Product ID:AMS 5776

MSDS Date:01/01/2001

FSC:3439

NIIN:01-224-5727

Status Code:A

MSDS Number: CLMMG

=== Responsible Party ===

Company Name:U S ALLOY CO BDA WASHINGTON ALLOY CO

Address:9809 160TH ST E

Box:73909

City:PUYALLUP

State:WA

ZIP:98373

Country:US

Info Phone Num:206-848-2230

Emergency

Phone Num:206-848-2230

Resp. Party Other MSDS Num.:MSDS NO.: STAINLESS

Preparer's Name:NOT PROVIDED

CAGE:0AZS7

=== Contractor Identification ===

Company Name:INDUSTRIAL WELDING AND SAFETY SUPPLY INC

Address:117 E FRANKLIN STREET

Box:City:ANDERSON

State:SC

ZIP:29624

Country:US

Phone:803-224-1197

Contract Num:SP0490-00-M-BF48

CAGE:0R427

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

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Composition/Information on Ingredients
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Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Other REC Limits:NOT PROVIDED
OSHA PEL:5 MG/M3

Ingred Name:NICKEL
CAS:7440-02-0
RTECS #:QR5950000
Other REC Limits:NOT PROVIDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:MOLYBDENUM
CAS:7439-98-7
RTECS #:QA4680000
Other REC Limits:NOT PROVIDED
OSHA PEL:15 MG/M3 (TDUST)
ACGIH TLV:10 MG/M3

Ingred Name:MANGANESE
CAS:7439-96-5
RTECS #:OO
9275000
Other REC Limits:NOT PROVIDED
OSHA PEL:C5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:CHROMIUM
CAS:7440-47-3
RTECS #:GB4200000
Other REC Limits:NOT PROVIDED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Other REC Limits:NOT PROVIDED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:COLUMBIUM
CAS:7440-03-1
RTECS #:QT9900000
Other REC Limits:NOT PROVIDED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:TITANIUM OXIDE
CAS

:13463-67-7
RTECS #:XR2275000
Other REC Limits:NOT PROVIDED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:CALCIUM CARBONATE
CAS:1317-65-3
RTECS #:EV9580000
Other REC Limits:NOT PROVIDED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:CALCIUM FLUORIDE
CAS:7789-75-5
RTECS #:EW1760000
Other REC Limits:NOT PROVIDED
OSHA PEL:2.5 MG/M3 (AS F)
ACGIH TLV:2.5 MG/M3 (AS F)

Ingred Name:SODIUM SILICATE
CAS:1344-09-8
Other REC Limits:NOT PROVIDED

Ingred Name:ALUMINUM SILICATES
CAS:1332-58-7
RTECS #:G
F1670500
Other REC Limits:NOT PROVIDED
OSHA PEL:15 MG/M3
ACGIH TLV:2 MG/M3

Ingred Name:POTASSIUM SILICATES
CAS:1312-76-1
Other REC Limits:NOT PROVIDED

Ingred Name:CRYOLITE
CAS:15096-52-3
RTECS #:WA9625000
Other REC Limits:NOT PROVIDED
OSHA PEL:2.5 MG/M3
ACGIH TLV:2.5 MG/M3

Ingred Name:ZIRCONIUM SILICATES (CAS # 7440-42-6 IS INVALID.)
CAS:10101-52-7
Other REC Limits:NOT PROVIDED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:COPPER
CAS:7440-50-8
RTECS #:GL5325000
Other REC Limits:NOT PROVIDED

OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Other REC Limits:NOT PROVIDED
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:0.1 MG/M3

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

LD50 LC50 Mixture:NOT PROVIDED
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:INHALATION OF WELDING FUMES AND GASES
CAN BE
DANGEROUS TO YOUR HEALTH. SHORT-TERM (ACUTE) OVEREXPOSURE TO
WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA,
OR DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES. INHALATION OF
EXTREMELY HIGH LEVELS OF FLUORIDES MAY CAUSE ABDOMINAL PAIN,
DIARRHEA, MUSCULAR WEAKNESS AND CONFUSIONS. CONTINUED INHALATION
COULD CAUSE LOSS OF CONSCIOUSNESS AND DEATH. CHROMIUM (VI)
COMPOUNDS PRESENT IN THE FUME MAY CAUSE SEVERE IRRITATION OF THE
BRONCHIAL TUBES AND LUNGS. I
NGESTING CHROMIUM (VI) SALTS MAY CAUSE
INJURY OR DEATH. MAY BURN EYES AND CAUSE ULCER ATION.
Explanation of Carcinogenicity:OSHA (29 CFR 1910.1200) LISTS NICKEL AND
CHROMIUM AS POSSIBLE CARCINOGENS, PER MSDS.
Effects of Overexposure:INHALATION OF WELDING FUMES AND GASES MAY
RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, OR DRYNESS OR
IRRITATION OF NOSE, THROAT, OR EYES. INHALATION OF EXTREMELY HIGH
LEVELS OF FLUORIDES MAY CAUSE ABDOMINAL PAIN, DIARRHEA, MUSCULAR
WEAKNES
S AND CONFUSIONS. CONTINUED INHALATION COULD CAUSE LOSS OF
CONSCIOUSNESS AND DEATH.
Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:CALL FOR MEDICAL ASSISTANCE. USE FIRST AID PROCEDURES
RECOMMENDED BY THE AMERICAN RED CROSS. IF BREATHING IS DIFFICULT -
GIVE OXYGEN. IF NOT BREATHING - USE CPR (CARDIOPULMONARY
RESUSCITATION). CONSUL T A PHYSICIAN IF IRRITATION OF THE EYES AND
SKIN OR FLASH BURNS D

EVELOP AFTER EXPSOURE.

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

Flash Point:NON-FLAMMABLE.

Extinguishing Media:NOT PROVIDED

Fire Fighting Procedures:NOT PROVIDED

Unusual Fire/Explosion Hazard:NON-FLAMMABLE: WELDING ARCS AND SPARKS
CAN IGNITE COMBUSTIBLES.

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

Spill Release Procedures:NOT PROVIDED

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:NOT PROVIDED

Other Precautions:NOT PROVIDED

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN WELDING IN A CONFINED SPACE OR GENERAL WORK AREA
WHERE LOCAL EXHAUST AND/OR VENTILATION DOES NOT KEEP EXPOSURE BELOW
THE THRESHOLD LIMIT VALUE.

Ventilation:USE VENTILATION AND/OR LOCAL EXHAUST AT THE ACR, TO KEEP
THE FUMES AND GASES BELOW THE THRESHO
LD LIMIT VALUE WITHIN THE

WORKERS BREATHING ZONE AND WORK AREA.

Protective Gloves:WELDERS GLOVES

Eye Protection:WEAR A HELMET OR FACE SHIELD WITH A FILTER LENS SHADE
NUMBER 12-14 OR DARKER.

Other Protective Equipment:WEAR APPROVED HEAD, HAND AND BODY PROTECTION
WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL
SHOCK. THIS COULD INCLUDE WEARING WELDERS GLOVES, PROTECTIVE FACE
SHIELD, APRON, HATS.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Hea

lth

WELDERS SHOULD BE TRAINED NOT TO ALLOW ELECTRICALLY LIVE PARTS TO
CONTACT SKIN, WET CLOTHING AND GLOVES. THE WELDERS SHOULD INSULATE
THEMSELVES FROM THE WORK AND GROUND.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

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

NOT PROVIDED

Stability Condition to Avoid:NOT PROVIDED

Hazardous Decomposition Products:FUMES MAY INCLUDE: COMPLEX OXIDES OF
AL, IRON,

MANGANESE, SILICON, TITANIUM, CHROMIUM, NICKEL, CALCIUM,
COLUMBIAN, MOLYBDENUM, COPPER, FLUORIDES, CARBON MONOXIDE, CARBON
DIOXIDE, OZONE, NITROGEN OXIDES.

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED

===== Ecological Information =====

Ecological:NOT PROVIDED

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

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

===== MSDS Transport Information =====

Transport Information:NOT PROVIDED

===== Regulatory Information =====

SARA Title III Information:NOT PROVIDED
Federal Regulatory Information:NOT PROVIDED
State Regulatory Information:NOT PROVIDED

===== Other Information =====

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