

WASHINGTON ALLOY COMPANY -- ER1100 -- 3439-00-126-9984

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Product Identification
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Product ID:ER1100
MSDS Date:01/01/1989
FSC:3439
NIIN:00-126-9984
MSDS Number: BSVPP
=== Responsible Party ===
Company Name:WASHINGTON ALLOY COMPANY
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:JO533
=== 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:WASHINGTON ALLOY CO
Address:9809 160TH ST
Box:73909
City:PUYALLUP
State:WA
ZIP:98373
Country:US
Phone:206-848-2230
CAGE:JO533

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Composition/Information on Ingredients
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Ingred Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: BALANCE
OSHA PEL:15 MG/M3 TDUST
ACGI

H TLV:10 MG/M3 DUST

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 3-7%
OSHA PEL:0.1MG/M3 FUME;1 DUST
ACGIH TLV:0.2MG/M3 FUME;1 DUST
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:MAGNESIUM
CAS:7439-95-4
RTECS #:OM2100000
Fraction by Wt: 2-6%
ACGIH TLV:10 MG/M3(OXIDE FUME)

Ingred Name:BERYLLIUM (SARA III)
CAS:7440-41-7
RTECS #:DS1750000
Fraction by Wt: .04-.07%
OSHA PEL:0.002PPM;0.005PPM, C
ACGIH TLV:0.002PPM

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:V
W0400000
Fraction by Wt: 3-13%
OSHA PEL:10 MG/M3 TDUST;5RESP
ACGIH TLV:10 MG/M3 TDUST

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: .05-.35%
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: .5-1.0%
OSHA PEL:5 MG/M3, C
ACGIH TLV:5 MG/M3 DUST

Ingred Name:OTHER PROT EQUIP:WELDERS SHOULD BE TRAINED NOT TO ALLOW
ELEC LIVE PARTS TO CONT SKIN/WET CLTHG & GLOV

ES. WELDERS(ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8: SHOULD INSULATE THEMSELVES FROM WORK AND GROUND.
RTECS #:9999999ZZ

Ingred Name:HAZ DECOMP PRODS: MANGANESE, SILICON, TITANIUM, CHROMIUM,
MAGNESIUM, ZINC, BERYLLIUM & COPPER. FUME LIMIT FOR CR(ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10:(VI) (0.05 MG/M3) MAY BE REACHED BEFORE LIMIT OF 5
MG/M3 FOR GEN WELDING FUMES IS REACHED. WATCH CR(VI) (ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11: LEV. (OTHER COMPLEX OXIDES MAY BE PRESENT WH
EN
USING FLUXES). GASEOUS RXN PRODS MAY INCL CARBON MONOXIDE(ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12: AND CARBON DIOXIDE. OZONE AND NITROGEN OXIDES MAY
BE FORMED BY RADIATION FROM ARC.
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:(IRON DEPOSITS IN LUNG) & IS BELIEVED TO
AFFECT PULM FUNC. CONSTANT INHAL OF CHROMIUM (VI) CMPDS(ING 15)
RTECS #:9999999ZZ

Ingred Name:ING 14:MAY CAUSE AN ULCERATION & PERFORATION OF NASAL
SEPTUM AS WELL AS LIVER & KIDNEY DMG.WORKERS EXPOS TO (I
NG 16)
RTECS #:9999999ZZ

Ingred Name:ING 15: CHROMIUM (VI) CMPDS & BERYLLIUM HAVE HIGHER
INCIDENCE OF LUNG & NASAL CANCERS. LONG-TERM EXPOS TO (ING 17)
RTECS #:9999999ZZ

Ingred Name:ING 16:BERYLLIUM BY INHAL CAN CAUSE BERYLLIOSIS
(PROGRESSIVE LUNG DISEASE) & SYS BERYLLIUM DISEASE.ARC RAYS CAN
(ING 18)
RTECS #:9999999ZZ

Ingred Name:ING 17: INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL.
RTECS #:9999999ZZ

Ingred Name:EXPLAN OF CARCIN: ON CARCINS. 1992: KNOWN TO BE CARCIN.
B

BERYLLIUM (CAS # 7440-41-7): IARC GRP 2A. IARC CANCER (ING 20)
RTECS #:9999999ZZ

Ingred Name:ING 19: REVIEW-MONOGRAPHS SUPPLEMENT VOL. 7, PG. 127, YR.
87.NTP 7TH ANNUAL REPORT ON CARCINS, 1992: ANTIC TO BE CARCIN.
RTECS #:9999999ZZ

===== 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:NO

Health Hazards Acute and Chron

ic:INHAL OF WELDING FUMES & GASES CAN BE

DANGEROUS TO HLTH. SHORT-TERM (ACUTE) OVEREXP TO WELDING FUMES MAY
RSLT IN DISCOMFORT SUCH AS DIZZ, NAUS/DRYNESS OR IRRIT OF NOSE,
THROAT/EYES. CHROMIUM (VI) CMPD S PRESENT IN FUME MAY CAUSE SEV
IRRIT OF BRONCH TUBES & LUNGS. INGESTING CHROMIUM (VI) SALTS MAY
CAUSE (EFTS OF OVEREXP)

Explanation of Carcinogenicity:CHROMIUM (CAS # 7440-47-3): IARC GRP 1 .

IARC MONOGRAPHS VOL. 49, PG. 49, YR. 90. NTP 7TH ANNUAL REPORT (ING
19)

Eff

ects of Overexposure:HLTH HAZ:INJ/DEATH. CHROMIUM (VI) CMPDS MAY

BURN EYES.CHROMIUM CMPDS MAY CAUSE ALLERGIC RXNS IN SOME PEOPLE.
BERYLLIUM IN FUME/DUST FORM IS HIGHLY TOX.INHAL OF EXCESSIVE LEVS
OF BERYLLIUM & BERYLLIUM CMPDS CAN CAUSE PNEUM (INFLAMM OF LUNG
TISS). LONG-TERM (CHRONIC) OVEREXP TO WELDING FUMES CAN LEAD TO
SIDEROSIS(ING 14)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:CALL FOR MED ASSIST. USE FIRST AID PROCS RECOM BY AMERICAN
RED CROSS. INHAL: IF BRTHG IS DFCLT, GIVE OXYGEN. IF NOT BREATHING
USE CPR (CARDIOPULMONARY RESUSCITATION). EYE: FLUSH WITH WATER FOR
AT LST 15 MINS. CONSULT PHYS IF IRRIT/FLASH BURNS DEVELOP AFTER
EXPOS. SKIN: FLUSH W/COPIOUS AMTS OF WATER . CONSULT PHYS IF
IRRIT/FLASH BURNS DEVELOP AFTER EXPOS. INGEST: CALL MD IMMED .

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

Flash Point:NON

-FLAMMABLE

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE CONDITIONS

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

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

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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Handling and Storage Precautions:READ AND UNDERSTAND MANUFACTURER'S INSTRUCTIONS AND PRECAUTIONARY LABEL ON THIS PRODUCT.

Other Precautions:SEE AMERICAN STD Z49.1 SAFETY IN WELDING & CUTTING, PUBLISHED BY AMERICAN WELDING SOCIETY, 550 N.W. LEJEUNE ROAD, MIAMI, FLORIDA 33126 & OSHA PUBLICATION 2206 (29 CFR 1910), U.S. GOVT PRINTING OFFICE, WASHINGTON D.C. 20402 FOR MORE (SUPDAT)

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

Respiratory Protection:

USE NIOSH/MSHA APPROVED RESPIRABLE FUME

RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR GENERAL WORK AREA WHERE LOCAL EXHAUST AND/OR VENTILATION DOES NOT KEEP EXPOSURE BELOW THRESHOLD LIMIT VALUE.

Ventilation:USE PLENTY OF VENT &/OR LOC EXHST AT ARC, TO KEEP FUMES & GASES BELOW TLV WITHIN WORKER'S BRTHG ZONE & GEN WORK (SUPDAT)

Protective Gloves:WELDER'S GLOVES.

Eye Protection:WEAR ANSI APPROVED HELMET/FCSHLD (SUPDAT

Other Protective Equipment:WEAR APPRVD

HEAT, HAND & BODY PROT WHICH

HELP TO PVNT INJ FROM RADIA, SPARKS & ELEC SHOCK. SEE ANSI Z-49.1. (SUPDAT)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

OTHER PREC:DETAILS ON FOLLOWING TOPICS. VENT: AREA WELDERS SHOULD KEEP THEIR HEAD OUT OF FUMES.EYE PROT: W/FILTER LENS SHADE NUMBER 12-14/DARKER. SHIELD OTHER WORKERS BY PROVIDING SCREENS & FLASH GOGG .OTHER PROT EQUIP:THIS WOULD INCL ARM PROT, APRONS,HATS, SHOULDER PROT, AS WELL AS

DARK SUBSTANTIAL CLTHG. (ING 8)

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

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

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

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

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NOT SIMPLY CLASSIFIED.REASONABLE
EXPECTED FUME CONSTITUENTS OF PROD WOULD INCL:COMPLEX OXIDES OF

ALUMINUM, IRON,(ING 10)

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

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

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