

WASHINGTON ALLOY CO -- PURE TUNGSTEN (WOLFRAM) WELDING ELECTRODES --
3439-00-132-6710

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Product Identification
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Product ID:PURE TUNGSTEN (WOLFRAM) WELDING ELECTRODES

MSDS Date:01/06/1999

FSC:3439

NIIN:00-132-6710

Status Code:A

MSDS Number: CKRRV

=== Responsible Party ===

Company Name:WASHINGTON ALLOY CO

Address:9809 160TH ST

Box:73909

City:PUYALLUP

State:WA

ZIP:98373

Country:US

Info Phon

e Num:206-848-2230

Emergency Phone Num:206-848-2230

CAGE:JO533

=== Contractor Identification ===

Company Name:PERFORMANCE ALLOYS

Address:1212 HIGHLAND AVENUE

Box:City:MANHATTAN BEACH

State:CA

ZIP:90266

Country:US

Phone:310-546-8459

Contract Num:SP0490-00-M-BE24

CAGE:0A4S7

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:TUNGS

TEN
CAS:7440-33-7
RTECS #:YO7175000
> Wt:99.9
ACGIH TLV:5 MG/M3
ACGIH STEL:10 MG/M3

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NO SPECIFIC DATA, TESTING OF
INFORMATION HAS BEEN FOUND FOR THE CHEMICAL COMPOUND(S) THAT
COMPRISE THIS PRODUCT ACCORDING, GENERAL SOURCE COMMENTS ARE MADE
BELOW FOR THE ELEMENTS INCLUDED IN ITS COMPO SITION. INHALATION OF
TUNGSTEN DUSTS, F

LAMES, OR MISTS CONTAINING TUNGSTEN.

Effects of Overexposure:NO INHALATION HAZARD IS POSSIBLE FOR SOLID,
FORMED PART, IT POWDER OF DUST MAY BE GENERATED, AS FORM MACHING OF
POLISHING OPERATIONS, EXPOSURE IN EXCESS OF THE NRC LIMITS MAY
INCREASE RISK OF LUNG CAN CER. THE LIGHT FROM ARC CAN CAUSE EYE
DAMAGE, INFLAMMATION OF THE MUCOUS MEMBRANE COVERING THE EYE AND
EYELIDS(FLASH BURN) AND SKIN DAMAGE. THE LIGHT TO ARC OF THE ARC
ITSELF DECOMPOSE CHLORINATED HYD ROCARBON SOLV

ENTS INTO DANGEROUS

CONCENTRATIONS OF TOXIC GASES SUCH AS PHOSGENE EVEN IF THE
CHLORINATED HYDROCARBON SOLVENT CONCENTRATION IS BELOW ITS TLV.

Medical Cond Aggravated by Exposure:CHRONIC RESPIRATORY DISEASES AND
ASTHMA MAY BE AGGRAVATED BY EXPOSURE TO DUST, FUME, OR MISTS. OTHER
CONDITIONS THAT MAY BE AGGRAVATED ARE NOT KNOWN AND WILL DEPEND
UPON CONDITIONS DURING ELECTRODE USE.

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

First Aid:SKIN: WASH AREA O

F CONTACT WITH SOAP AND WATER, IF IRRITATION

OCCURS, SEEK MEDICAL ATTENTION. EYE: WASH (EYE) WITH A LARGE AMOUNT
OF WATER FOR AT LEAST 15 MINUTES. IF ACRATION OCCURS, SEEK MEDICAL
ATT ENTION. INHALATION: REMOVE FROM EXPOSURE. SEEK MEDICAL
ATTENTION. IF NECESSARY AID BREATHING. INGESTION: SEEK MEDICAL
ATTENTION. OTHER: WOUNDS CONTAMINATED WITH DUST, FUME, OR MIST
SHOULD BE IMMEDIATE LY AND THOROUGHLY CLEANED.

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

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Extinguishing Media:FOR THE SURROUNDING FIRE. FOR TUNGSTEN DUST FIRES USE CLASS D EXTINGUISHING MEDIA, DRY POWDERS.

Fire Fighting Procedures:FOR A TUNGSTEN DUST FIRE CONFINED TO A SMALL AREA, USE A RESPIRATOR APPROVED FOR TOXIC DUSTS AND FUMES. FOR A LARGE FIRE, FIRE LIGHTERS SHOULD USE SELF-CONTROLLED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:WHEN TUNGSTEN IS HEATED IN AIR, TUNGSTEN TRIOXIDE (TAW 5 MG/M (AS W) BEGINS TO SUBLIME ABOVE C.

===== A
ccidental Release Measures =====

Spill Release Procedures:DISPOSE OF THE MATERIAL FOLLOWING ALL APPLICABLE REGULATIONS, TUNGSTEN SCRAP AND DUST HAVE VALUE AND CAN BE RECLAIMED.

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

Respiratory Protection:NONE NEEDED FOR ELECTRODES AS RECEIVED. USE ONLY NIOSH APPROVED RESPIRATOR IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:LOCAL VENTILATION RECOMMENDED FOR DRESSING ELECTRODES. CONFINED SPACES REQUIRE SPECIAL ATTENTION TO PROVIDE ADEQUATE VENTILATION.

Protective Gloves:REQUIRED WHEN WELDING.

Eye Protection:SAFETY GLASSES OR GOGGLES OR WELDING LENSES

Other Protective Equipment:WHEN WELDING WEAR FLAME RETARDANT CLOTHING SUCH THAT SKIN IS NOT EXPOSED.

Supplemental Safety and Health

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS, STRONG ACIDS, BROMINE TRIFLUORIDE, FLOURINE, IODINE PENTAFLUORIDE AND MIXING LEAD OXIDE WITH TUNGSTEN DUST.

Stability Condition to Avoid:ELEVATED TEMPERATURES.

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSE OF THE MATERIAL FOLLOWING ALL APPLICABLE REGULATIONS, TUNGSTEN SCRAPS AND DUST HAVE VALUE AND CAN BE RECLAIMED.

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