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TELEDYNE WAH CHANG -- TUNGSTEN WELDING ELECTRODES (2% THORIATED)

3439-00-872-1411

Product ID:TUNGSTEN WELDING ELECTRODES (2% THORIATED)

MSDS Date:11/01/1985

FSC:3439

NIIN:00-872-1411

MSDS Number: BFTJG === Responsible Party ===

Company Name: TELEDYNE WAH CHANG

Address:7300 HIGHWAY 20 WEST

City:HUNTSVILLE

State:AL

ZIP:35806-2052

Country:US

Info Phone Num:205-837

-1311

Emergency Phone Num:205-837-0285

CAGE:3G120

=== Contractor Identification ===

Company Name: INDUSTRO-WEL, INC.

Address:4225 PHIL NIEKRO PARKWAY SUITE 115

Box:City:NORCROSS

State:GA ZIP:30093 Country:US

Phone:404-564-0630

CAGE:3N725

Company Name: LAND M WELDING SUPPLY INC

Address:568 WESTERN DR

Box:City:MOBILE

State:AL

ZIP:36607-1420

Country:US

Phone:334-470-9997

CAGE:1HJ95

Company Name: TELEDYNE WAH CHANG

Address:7300 HIGHWAY 20 WEST

Box:City:HUNTSVILLE

State:AL

ZIP:35806-2052 Country:US

Ph

one:205-837-0285 CAGE:3G120

======= Composition/Information on Ingredients ========

Ingred Name:TUNGSTEN

CAS:7440-33-7

RTECS #:YO7175000 Fraction by Wt: >97.7%

Other REC Limits: NONE SPECIFIED

OSHA PEL:5 MG/M3/ 10 STEL

ACGIH TLV:5 MG/M3/10 STEL;9192

Ingred Name:THORIUM DIOXIDE (SARA III)

CAS:1314-20-1

RTECS #:XO6950000 Fraction by Wt: 2.2%

Other REC Limits: NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YE

S Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ALL HAZARDS OCCUR FROM DUST, FUMES OR MISTS. INHALATION: MAY CAUSE LUNG DAMAGE OR IRRITATION. THE LIGHT FROM THE ARC CAN CAUSE EYE DAMAGE, INFLAMMATION OF THE MUSOUS MEMBRANE AND SKIN DAMAGE.

Explanation of Carcinogenicity:NTP STATES THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF THORIUM DIOXIDE IN HUMANS. Effects of Overexposure:EYE:DMG,INFAMM;SKIN:IRR;INH:TRANSIEN/P ERMAN

LUNG DMG;TOX RADIOLOG;ELECTR SHOCK KILLS;RISK LUNG CANCR Medical Cond Aggravated by Exposure:CHRONIC RESPIRATORY DISEASES AND ASTHMA MAY BE AGGRAVAED BY EXPOSURE TO DUST, FUME OR MISTS.

First Aid:SKIN AND EYES: WASH SKIN WITH SOAP AND WATER. WASH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION OCCURS, SEEK MEDICAL ATTENTION. INHALATION: REMOVE FROM EXPOSURE. SEEK MEDICA L ATTE

SEEK MEDICAL ATTENTION.
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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 LARGE FIRE, FIREFIGHTERS SHOULD USE SCBA. Junusual Fire/Explosion Hazard:WHEN TUNGSTEN IS HEATE D IN AIR, TUNGSTEN TRIOXIDE BEGINS TO SUBLIME ABOVE 750 C.
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Spill Release Procedures:SWEEP UP AND PLACE IN PROPER CONTAINER. TUNGSTEN SCRAP AND DUST HAVE VALUE AND CAN BE RECLAIMED. Neutralizing Agent:NOT APPLICABLE.
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Handling and Storage Precautions:MAINTAIN GOOD HOUSEKEEPING TO PREVENT DUST ACCUMULATION. Other Precautions:PERIODIC MED EXAMS RECOM MENDED FOR INDIVIDUALS REGULARLY EXPOSED TO DUST/FUME/TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES.MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:NIOSH APPVD RESP IAW 29CFR 1910.134 Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV. Protective Gloves:WELDER'S GLOVES Eye Protection:FACE PROTECT W/WLDG LENS. Other Protective Equipment:WHEN WELDING USE FLAME RETARDANT CLOTH. Work Hygienic Practices:OBSER VE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR. Supplemental Safety and Health NONE
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HCC:N1 Boiling Pt:B.P. Text:32.0F,0.0C Melt/Freeze Pt:M.P/F.P Text:32.0F,0.0C Spec Gravity:19. Bolubility in Water:INSOLUBLE Appearance and Odor:TIN-WHITE METAL.NO ODOR.
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Stability Indicator/Materials to Av

NTION. IF NECESSARY AID BREATHING. INGESTION:

oid:YES

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

Stability Condition to Avoid:OXIDIZERS AT ELEVATED TEMPERATURES. Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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