

TELEDYNE WAH CHANG-HUNTSVILLE TELEDYNE INC CO -- TUNGSTEN POWDER OR METAL,AWS
512 -- 3439-00-132-6712

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

Product ID:TUNGSTEN POWDER OR METAL,AWS 512

MSDS Date:03/08/1994

FSC:3439

NIIN:00-132-6712

MSDS Number: BHCMN

=== Responsible Party ===

Company Name:TELEDYNE WAH CHANG-HUNTSVILLE TELEDYNE INC CO

Address:7300 HIGHWAY 20 WEST

City:HUNTSVILLE

State:AL

ZIP:35806-2

052

Country:US

Info Phone Num:205-837-1311/ FAX 722-2279

Emergency Phone Num:205-837-0285

CAGE:3G120

=== Contractor Identification ===

Company Name:L AND 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

Phone:205-837-0285

CAGE:3G120

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

Ingr

ed Name:TUNGSTEN OXIDE/TUNGSTEN,AS W,SOLUBLE COMPOUNDS.

CAS:7440-33-7

RTECS #:YO7175000

Fraction by Wt: >99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOE ESTABLISHED

ACGIH TLV:1 MG/M3/3 STEL; 9596

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) NOT RELEVANT

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS: EYE, SKIN, RESPIRATORY

TRACT. ACUTE- EYE: PARTICLES MAY CAUSE MECHANICAL IRRITATION. SKIN:
DUST MAY CAUSE IRRITATION. INHALATION: DUST MAY IRRITATE
RESPIRATORY TRACT. ORAL: UNLIKELY TO OCCUR. CHRONIC- LUNG DAMAGE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:MECHANICAL IRRITATION, THERMAL BURNS

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

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH
WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN: WASH W
ITH SOAP

& WATER. INHALED: MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED.

ORAL: I F CONSCIOUS, DRINK LARGE AMOUNT OF WATER & INDUCE VOMITING.

CALL PHYSICIAN/POISON CONTROL CENTER AT ONCE. NEVER GIVE

FLUID/INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS.

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

Flash Point:FLAMMABLE SOLID

Autoignition Temp:Autoignition Temp Text:1022F

Extinguishing Media:USE CLASS D FIRE EXTINGUISHING AGENTS (DRY POWDER
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Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:POWDERED MATERIAL MAY FORM EXPLOSIVE
DUST-AIR MIXTURES.

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

Spill Release Procedures:REMOVE IGNITION SOURCES. WEAR DUST RESPIRATOR.
DAMPEN POWDER OR DUST WITH WATER MIST SPRAY. SWEEP UP AND TRANSFER
INTO A SEALABLE WASTE CONTAINER. MINIMIZE GENERATION OF DUST. WASH
SPILL AREA

THOROUGHLY WITH WATER TO REMOVE RESIDUE.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN DRY PLACE, IN ORIGINAL CONTAINERS, AWAY FROM STRONG OXIDIZING AGENTS. KEEP OUT OF REACH OF CHILDREN. DO NOT SMOKE IN WORK AREA.

Other Precautions:DO NOT GET IN EYES, ON SKIN/ON CLOTHING. AVOID INHALATION OF DUST. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY. READ AND FOLLOW ALL LABEL DIRECTIONS AND PRECAUTIONS. WASH AFTER HANDLING. AVOID ACCUMULATION OF DUST.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF AIRBORNE CONCENTRATIONS IS HIGH, WEAR A NIOSH-APPROVED RESPIRATOR FOR DUST.

Ventilation:ADEQUATE

Protective Gloves:LATEX RECOMMENDED

Eye Protection:SAFETY GOGGLES RECOMMENDED

Other Protective Equipment:PROVIDE EYE WASH, SAFETY SHOWER AND LAB COAT.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:V4

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:10652F,5900

Melt/Freeze Pt:M.P/F.P Text:6170F,3410C

Spec Gravity:19.3

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:STEEL GRAY TO TIN WHITE METAL OR POWDER - ODORLESS

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

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Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid: NONE
Hazardous Decomposition Products: NONE

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

Waste Disposal Methods: RECYCLE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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