

PHILIPS LIGHTING CO/DIV OF N. AMERICAN PHILIPS COR -- JAN5D22;(MSDS=THORIATED TUNGSTEN METAL PRODUCTS) -- 5960-00-188-0948

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Product Identification  
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Product ID:JAN5D22;(MSDS=THORIATED TUNGSTEN METAL PRODUCTS)

MSDS Date:07/01/1986

FSC:5960

NIIN:00-188-0948

MSDS Number: CFKXS

=== Responsible Party ===

Company Name:PHILIPS LIGHTING CO/DIV OF N. AMERICAN PHILIPS COR

Address:100 WESTINGHOUSE P

LAZA

City:BLOOMFIELD

State:NJ

ZIP:07003

Country:US

Info Phone Num:201-563-3000

Emergency Phone Num:201-563-3000

CAGE:77625

=== Contractor Identification ===

Company Name:NATIONAL ELECTRONICS DIV OF RICHARDSON ELECTRONICS

Address:40W267 KESLINGER RD

Box:City:LAFOX

State:IL

ZIP:60147

Country:US

CAGE:83781

Company Name:PHILIPS LIGHTING CO/DIV OF N. AMERICAN PHILIPS COR

Box:City:HIGHTSTOWN

State:NJ

Country:US

Phone:201-563-3000

CAGE:77625

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Composition/Information on Ingredients  
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Ingred Name:TUNGSTEN,AS W,SOLUBLE COMPOUNDS.

CAS:7440-33-7

RTECS #:YO7175000

Fraction by Wt: 96-100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOE ESTABLISHED

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

Ingred Name:THORIUM (NATURAL)

Fraction by Wt: 0-4%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:TLV FOR TUNGSTEN IS 5MG/M\*3

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

Reports of Carcinogenicity:NTP:NO IARC:N

O OSHA:NO

Health Hazards Acute and Chronic:THIS TUBE CONTAINS EITHER TUNGSTEN OR THORIATED TUNGSTEN.THORIUM IS A NATURALLY OCCURING RADIOACTIVE ELEMENT.NO HEALTH HAZARD IS ASSOCIATED WITH NATURAL THORIUM,HOWEVER LONG TERM EXPOSURE TO TO DUST O R FUMES MAY CAUSE LUNG PROBLEMS.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by

Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.GET MEDICAL ATTENTION IF NEEDED.EYES:FLUSH WITH WATER FOR 15 MINUTES.GET IMMEDIATE MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.GET IMMEDIATE MEDICAL ATTENTION.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,INDUCE VOMITING.

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

Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:HMIS SUGGESTS TO USE A SELF-CONTAINED BREATHING APPARATUS WHENEVER FIGHTING A CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:NO UNUSUAL FIRE HAZARD FOR UNIT OF ISSUE.

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

Spill Release Procedures:WET SWEEP OR VACUUM;DO NOT CREATE DUST;PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP AWAY FROM HEAT,SPARKS,FLAMES AND PHYSICAL DAMAGE.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:WHERE APPROPRIATE,USE A NIOSH/MSHA APPROVED RESPIRATOR FOR TOXIC DUST/RADIONUCLIDES.

Ventilation:U

SE LOCAL EXHAUST WHEN APPROACHING TLV.  
Protective Gloves:RUBBER  
Eye Protection:SAFETY GLASSES OR GOGGLES.  
Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A  
LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS  
PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

RICHARDSON HAS SUBMITTED 2 MSDS'S:TUNGSTEN(100%),THORIATED  
TUNGSTEN(4%THORIUM).MFR FURTHER STATES THAT THIS ITEM DOES NOT  
CONTAIN  
MERCURY.

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

HCC:N1

Appearance and Odor:ELECTRON TUBE.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS(EG. HALOGENS,NITROGEN AND SULFURIC ACID).

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:TUNGSTEN TRIOXIDE.

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

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND  
LOCAL REGULATIONS.

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