

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

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

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 PLAZA

City:BLOOMFIELD

State:NJ

ZIP:07003

Country:US

Info Phone Nu

m: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

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

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

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

LD50 LC50 Mixture:TLV FOR TUNGTSEN IS 5MG/M*3

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

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

Health Hazards Acute and Chronic:THIS TUBE CONTAINS EI

OTHER TUNGSTEN OR
THORIATED TUNGSTEN. THORIUM IS A NATURALLY OCCURRING RADIOACTIVE
ELEMENT. NO HEALTH HAZARD IS ASSOCIATED WITH NATURAL THORIUM, HOWEVER
LONG TERM EXPOSURE TO DUST OR 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.

===== 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.

===== 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.

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

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