

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-744-7440-27-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

7440-27-9

Code:

M

RTECS:**Code:**

X

Name:

TERBİUM (AS DUST)

Other REC Limits:

N/P

OSHA PEL:

15 MG/M3

Code:

M

OSHA STEL:

N/P

Code:**ACGIH TLV:**

10 MG/M3

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE APPROPRIATE NIOSH APPROVED RESPIRATOR IF AIRBORNE DUST CONCEN EXCEED PERTINENT PEL OR TLV LIMITS. ALL APPROPRIATE REQMTS SET FORTH IN 29CFR1910.134 SHOULD BE MET. 12

Ventilation:

USE GENERAL AND LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE LEVELS BELOW PEL/TLV LIMITS. IF SUCH VENT UNAVAILABLE USE RESPIRATOR AS SEPCIFIED.

Protective Gloves:

OSHA SPEC GLOVES FOR BROKEN LAMP HNDLG.

Eye Protection:

OSHA SPEC SAFTY GLASSES/GOGGLES / FACE SHIELD IF HANDLING BROKEN GLASS

Other Protective Equipment:

Equipment NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:

AFTER HANDLING BROKEN LAMPS WASH THOROUGHLY BEFORE EATING/SMOKING/USING TOILET FACILITIES.

Supplemental Safety and Health:

DISPOSAL:CONTAINS CHEMICALS SUBJECTTO REPORTING REQMTS OF SEC 313 TITLE III SARA/40CFR PART372: MERCURY,LEAD OXIDE,PHOSPHOR.

Health Hazards Data

LD50/LC50Mixture:

NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:

NO

Skin:

NO

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

THERE ARE NO KNOWN HEALTH HAZARDS FROM EXPOSURE TO LAMPS THAT ARE INTACT. NO ADVERSE EFFECTS ARE EXPECTED FROM OCCASIONAL EXPOSURE TO BROKEN LAMPS. AS A MATTER OF GOOD PRACTICE AVOID PRLONGED/FREQUEN T EXPOSURE TO BROKEN LAMPS UNLESS THERE IS ADEQUATE VENTILATION. MAJOR HAZ FROM BROKEN LAMPS IS THE POSSIBILITY OF SUSTAINING GLASS CUTS.

Explanation Of Carcinogenicity:

PER MSDS:CARCINOGENIC ASSESSMENT(NTP/IARC/OTHER):NONE.

Signs And Symptoms Of Overexposure:

TO BROKEN LAMPS BY INHAL/INGEST/SKIN/EYE:HG:ACUTE SYMPT-EYE AN SKIN IRRITATION, COUGH,CHEST PAINS,SHORTNESS OF BREATH, GINGIVITIS, SALIVATION, STOMATITIS,REDNESS. PB:IRRIT EYE/RESP TRACT,EXCESS ABSOR PTION-TOXIC,SYPMT-ANEMIA,WEAK,ABD PAIN, KID DISEASE. GLASS:PHYSIOLOGICAL INERT. PHOSPHOR:CONSIDERED AS BENIGN, AND SUCH OSHA EXPOSURE LIMIT IS 15 MG/M3 FOR TOTAL DUST AND 5 MG/M3 FOR RESPIRABLE DUST.

Medical Cond Aggravated By Exposure:

NONE SPECIFIED BY MANUFACTURER.

First Aid:

GLASS CUTS:PERFOM NORMAL 1STAID PROCEDURES.SEEK MED ATTENTION AS REQUIRED. INHAL: REMOVE FROM EXPOSURE. SEEK MED ATTN. INGEST:SEEK MED ATTN. SKIN:WASH THOROUGHLY W/MILD SOAP/WATER. PREVENT FURTHER CON TACT. IRRIT OCCURS SEEK MED ATTN. EYE:WASH INCLUDING UNDER EYELIDS IMMED W/COPIOUS AMTS OF WATER FOR 15MINS. SEEK MED ATTN.

Spill Release Procedures:

VENTIALTE AREA WHERE BREAKAGE OCCUR. CLEANUP W/HG VAC CLEANER/OTHER SUITABLE MEANS THAT AVOID DUST/HG VAP GENERATION.TAKE USUAL PRECAT FOR COLLECTION OF BROKEN GLASS. CLEANUP REQUIRED SPEC CARE DUE TO HG DROPLET PROLIFERATION. PLACE IN CLOSED CONTAINER.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER. 11

Waste Disposal Methods:

IT'S RESPONSIBILITY OF WASTE GENERATOR TO ENSURE PROPER CLASSIFICATION OF WASTE PRODS.TO THAT END TCLP TESTS SHOULD BE CONDUCTED ON ALL WASTE PROD INCLUDING THIS ONE TO DETERMINE ULTIMATE DISPOSITION IAW APPLICABLE FED/STATE/LOC REGS. LAMPS MARKED "ECO" PASS THE TCLP TEST AND ARE CONSIDERED NON-HAZAR DOUS.

Handling And Storage Precautions:

NONE SPECIFIED BY MANUFACTURER. GLASS, HANDLE WITH CARE.

Other Precautions:

PER MSDS:SYLVANIA BRAND FLUORESCENT LAMPS MFG BY OSRAM SYLVANIA INC ARE EXEMPTED FROM OSHA HAZ COMM STD REQMTS BECAUSE THEY'RE ARTICLES. NFO ON MSDS PROVIDED BY OSRAM SYLVANIA AS COURTESY TO CUSTOMERS .

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

NON-COMBUSTIBLE

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

USE EXTINGUISHING AGENTS SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:

USE SELF-CONTAINED BREATHING APPARATUS TO PREVENT INHAL OF DUST &/OR FUMES THAT MAY BE GENERATED FROM BROKEN LAMPS DURING FIREFIGHTING ACTIVITIES.

Unusual Fire/Explosion Hazard:

WHEN EXPOSED TO HIGH TEMPERATURE, TOXIC FUMES MAY BE RELEASED FROM BROKEN LAMPS.

Physical/Chemical Properties

HN:

N1

NPC/State Lic No:

N/R

Net Prop WT For Ammo:

N/A

Boiling Point:

N/A

B.P./F.P. Text:

N/A

Melt/Freeze Pt:

N/A

M.P./F.P. Text:

N/A

Decomp Temp:

N/A

Decomp Text:

N/A

Vapor Pres:

N/A

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

N/A

VOC Pounds/Gallon:

N/A

PH:

N/A 13

VOC Grams/Liter:

N/A

Viscosity:

N/A

Evaporation Rate & Reference:

N/A

Solubility in Water:

N/A

Appearance and Odor:

FLUORESCENT LAMPS

Percent Volatiles by Volume:

N/A

Corrosion Rate:

N/A

Reactivity Data**Stability Indicator:**

YES

None For Intact Lamps:

NONE FOR INTACT LAMPS.

None For Decomposed Lamps:

NONE FOR INTACT LAMPS.

Hazardous Decomposition Products:

NONE FOR INTACT LAMPS.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT APPLICABLE

Information:

N/P

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

Other Information:

N/P

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