

ORSRAM SYLVANIA INC -- F30T12/CW/RS FLUORESCENT LAMPS (PSDS#1.1) -- 6240-01-123-0251

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

Product ID:F30T12/CW/RS FLUORESCENT LAMPS (PSDS#1.1)

MSDS Date:04/13/1995

FSC:6240

NIIN:01-123-0251

MSDS Number: BYXWP

=== Responsible Party ===

Company Name:ORSRAM SYLVANIA INC

Address:75 SYLVAN STREET

City:DANVERS

State:MA

ZIP:01923

Country:US

Info Phone Num:508-777-1900

Emerge

ncy Phone Num:508-777-1900

CAGE:LO222

=== Contractor Identification ===

Company Name:ORSRAM SYLVANIA INC

Address:75 SYLVAN STREET

Box:City:DANVERS

State:MA

ZIP:01923

Country:US

Phone:508-777-1900

CAGE:LO222

Company Name:SYLVANIA ELECTRIC PRODUCTS INC

Box:City:WOBURN

State:MA

Country:US

Phone:617-935-2900

CAGE:93332

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

Ingred Name:GLASS, SODA-LIME

Fraction by Wt: 75-90%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15.0 NUIS PART-MS

DS  
ACGIH TLV:10.0 NUIS PART-MSDS

Ingred Name:MERCURY (SARA 313) (CERCLA)  
CAS:7439-97-6  
RTECS #:OV4550000  
Fraction by Wt: 0.2-2.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C, 0.1 MG/M3; Z-2  
ACGIH TLV:S,0.025 MG/M3; A4;95  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDE (LITHARGE) (ELEMENT CONTAINED IN MATL AS PART OF  
CHME STRUCTURE, MATL NOT A MIXTURE)  
CAS:1317-36-8  
RTECS #:OG1750000  
Fraction by Wt: 0.2-2.0%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALPHA-ALUMINA (ALUMINUM OX  
IDE) (SARA 313)  
CAS:1344-28-1  
RTECS #:BD1200000  
Fraction by Wt: 0-2.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:FLUORESCENT PHOSPHOR (MAY CONTAIN INGREDIENTS #6,7,8,9,)  
Fraction by Wt: 0.5-3.0%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:MANGANESE (SARA 313) (ELEMENT CONTAINED IN MATL AS PART OF  
CHEM STRUCTURE, MATL NOT A MIXTURE)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 0-0.1%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 5 M

G/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9495

Ingred Name:TIN (AS DUST) (ELEMENT CONTAINED IN MATL AS PART OF CHEM  
STRUCTURE, MATL NOT A MIXTURE)

CAS:7440-31-5  
RTECS #:XP7320000  
Fraction by Wt: 0-0.1%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9495

Ingred Name:YTTRIUM (AS DUST) (ELEMENT CONTAINED IN MATL AS PART OF  
CHEM STRUCTURE, MATL NOT A MIXTURE)

CAS:7440-65-5  
RTECS #:ZG2980000  
Fraction by Wt: 0-0.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1  
MG/M3; 9495

Ingred Name:FLUORIDE (AS F)  
Fraction by Wt: 0-0.1%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2.5 MG/M3  
ACGIH TLV:2.5 MG/M3

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:THERE ARE NO KNOWN HEALTH HAZ FROM  
EXPO TO LAMPS THAT ARE INTACT.NO ADVERSE EFFECTS ARE EXPECTED FR  
OM

OCCASIONAL EXPO TO BROKEN LAMPS.AS MATTER OF GOOD PRACTICE AVOID  
PRLONG/FREQU EXPO TO BROKEN LAMPS UNLESS THERE IS ADEQUATE  
VENTILATION.MAJOR HAZ FROM BROKEN LAMPS IS POSSIBLITY OF SUSTAINING  
GLASS CUTS.

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

Effects of Overexposure:BROKEN LAMPS BY INHAL/INGEST/SKIN/EYE:HG:ACUTE  
SYMPT-PNEUITIS,CHEST PAINS,SHORTNESS OF  
BREATH,COUGH,GINGIVITIS,SALIVATION,STOMATITIS.SKIN/EYE  
REDNESS/

IRRIT.PB:IRRIT EYE/RESP TRACT.EXCESS ABSORPTION-TO  
XIC,SYPMT-ANEMIA,WEAK,ABD PAIN,KID  
DISEASE.PHOSPHOR/GLASS:PHYSIOLOGICAL INERT.SN:BENIGN  
PNEUMOCONIOSIS(STANNOSIS) (SUPPL)  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:GLASS CUTS:PERFORM NORMAL FIRST AID PROCEDURES.SEEK MED ATT AS  
REQUIRED.INHAL:DISCOMFORT/IRRIT/SYMPT OF PULM INVOLVEMNT DEVELOP  
REMOVE FROM EXPO.SEEK MED ATTN.ING  
EST:SEEK MED ATTN.SKIN:WASH  
THOROUGHLY W/ MILD SOAP/DETERGENT/WATER.PREVENT FURTHER  
CONTACT.IRRIT OCCURS SEEK MED ATTN.EYE:WASH INCLUDING UNDER EYELIDS  
IMMED W/COPIOUS AMTS OF WATER FOR 15MINS.SEEK MED ATTN.

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

Flash Point:NON-COMBUSTIBLE  
Extinguishing Media:USE EXTINGUISHING AGENTS SUITABLE FOR SURROUNDING  
FIRE.  
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS TO  
PREVENT INHAL OF UDST &/OR FUM  
ES 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.

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

Spill Release Procedures:VENTILATE AREA WHERE BREAKAGE OCCUR.CLEANUP  
W/HG VAC CLEANER/OTHER SUITABLE MEANS THAT AVOID DUST/HG VAP  
GENERATION.TAKE USUAL PRECAUT FOR COLLECTION OF BROKEN  
GLASS.CLEANUP REQUIRED SPEC CARE DUE TO  
H G DROPLET  
PROLIFERATION.PLACE IN CLSD CNTNR(SUPPL)  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KR-85 IN GLOW SWITCH EMITS 99.6%  
BETA-COMpletely ABSORBED BY GLASS ENVELOPE OF GLOW SWITCH & 0.4%  
GAMMA WHICH IS NOT.IF SWITCH BREAKS KR GAS DISPERSE  
Other Precautions:PER MSDS:SYLVANIA BRAND FLUORESCENT LAMPS MFG BY  
OSRAM SYLVANIA INC EXEMPTED FRM OSHA HAZ COMM STD REQMTS BE

## CAUSE

THEY'RE ARTICLES.INFO ON MSDS PROVIDED BY OSRAM SYLVANIA AS COURTESY TO CUSTOMERS.

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

Respiratory Protection:USE APROPRIATE NIOSH APPROVED RESPIRATOR IF AIRBORNE DUST CONCEN EXCEED PERTINENT PEL OR TLV LIMITS.ALL APPROPRIATE REQMTS SET FORTH IN 29CFR1910.134 SHOULD BE MET.  
Ventilation:USE ADEQUA GEN/LOC EXHAU VENTI TO MAINTAIN EXPO LEVELS BEL PEL/TLV LIMITS.IF SUCH VENTI UNAVAILABLE USE RESP AS SEPCIFIE  
Protective Gloves:OSHA SPEC GLOVES FOR BROKEN LAMP HNDLG.  
Eye Protection:OSHA SPEC SAFT GLA/GOGG/FCHIELD IF BROKE  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:AFT HDNLG BROKEN LAMPS WASH THOROUGHLY BEF EAT/SMOKE/USE TOILET FACILITIES.  
Supplemental Safety and Health  
OVERXPO:MN:LOC EYE/NOSE/THROAT IRRIT.FL:EYE/RESP IRRIT.VOMIT,ABD PAIN,DIARR,SHORT BREATH,DIFF SPEAK,THIRST,WEAK PULSE,CONV,UNCONSC,DEAHT,KIDNEY/STOMACH INJURY,STIFFNESS,RASH,DISTUR  
BED COLOR VISION,MUS CULAR WEAK.Y:NO  
EFFECTS.AL2O3:IRRIT EYE/SKIN/MUC MEMB OF RESP TRACT. SPILL:TO AVOID GENERATING DUST. DISPO:HG,PB2O3.

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

HCC:N1  
Appearance and Odor:ARTICLE.

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

Stability Indicator/Materials to Avoid:YES  
NONE FOR INTACT LAMPS.  
Stability Condition to Avoid:NONE FOR INTACT LAMPS.  
Hazardous Decomposition Products:NONE FOR INTACT LAMPS.

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### ===== Disposal Considerations =====

Waste Disposal Methods:WASTE GENERATOR RESPONSIBILITY 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 DISPO IAW APPLIABLE FED/STATE/LOC REGS.CHEM SUBJ TO REPORT REQMTS(SUP)

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