

===== 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

Emergency Phone Num:508-777-1900

CAGE:LO222

=== Contractor Identificat

ion ===

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-MSDS

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 OXIDE) (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 MG/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 FROM
OCCASIONAL EXPO TO BROKEN LAMPS.AS MATTER OF GOOD PRACTIC
E 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 INVOLVEMENT DEVELOP
REMOVE FROM EXPO.SEEK MED ATTN.INGEST:SEEK MED ATTN.SKIN:WASH
THOROUGHLY W/ MILD SOAP/DETERGENT
T/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 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.

===== 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 PRECAUTION FOR COLLECTION OF BROKEN
GLASS.CLEANUP REQUIRED SPECIAL CARE DUE TO HIGH DROPLET
PROLIFERATION.PLACE IN CLOSED CONTAINER(SUPPLY)
Neutral
izing 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 FROM OSHA HAZ COMM STD REQUIREMENTS BECAUSE
THEY'RE ARTICLES.INFO ON MSDS PROVIDED BY OSRAM SYLVANIA

IA 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,DISTURBED 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.

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

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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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