

OSRAM SYLVANIA INC. (PREVIOUSLY GTE PRODUCTS CORP) -- F40CW/RS/SS -- 6240-01-004-3107  
===== Product Identification =====

Product ID:F40CW/RS/SS

MSDS Date:04/13/1995

FSC:6240

NIIN:01-004-3107

MSDS Number: BGCRP

=== Responsible Party ===

Company Name:OSRAM SYLVANIA INC. (PREVIOUSLY GTE PRODUCTS CORP)

Address:W MAIN ST

City:HILLSBOROUGH

State:NH

ZIP:03244

Country:US

Info Phone Num:603-464-5533

Emerge

ncy Phone Num:508-777-1900

CAGE:FO606

=== Contractor Identification ===

Company Name:GTE PRODUCTS CORP

Address:100 ENDICOTT STREET

Box:City:DANVERS

State:MA

ZIP:01923

Country:US

Phone:508-750-8600

CAGE:52343

Company Name:GTE PRODUCTS CORP SYLVANIA MINIATURE LIGHTING DIV

Address:W MAIN ST

Box:City:HILLSBOROUGH

State:NH

ZIP:03244

Country:US

Phone:603-464-5533

CAGE:88204

Company Name:OSRAM SYLVANIA INC OFFICE HEADQUARTERS

Address:100 ENDICOTT ST

City:DANVERS

State:MA

ZIP:01923-3754

Country:US

Phone

:508-777-1900  
CAGE:FO606

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

Ingred Name:FLUORESCENT PHOSPHOR MAY CONTAIN THE BELOW LISTED  
INGREDIENTS

Fraction by Wt: 0.5-3.0%

Ingred Name:MERCURY (SARA III)

CAS:7439-97-6

RTECS #:OV4550000

OSHA PEL:S, C, 0.1 MG/M3

ACGIH TLV:S, 0.05 MG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDE (LITHARGE)

CAS:1317-36-8

RTECS #:OG1750000

Fraction by Wt: 0.2-2.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.05 MG/M3

A

CGIH TLV:0.15 MG/M3

Ingred Name:ALUMINUM OXIDE

CAS:1344-28-1

RTECS #:BD1200000

Fraction by Wt: 0-2.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:FLUORIDE

Fraction by Wt: 0-01%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2.5 PPM F

ACGIH TLV:2.5 MG/M3

Ingred Name:MANGANESE (SARA 313) (AS DUST)

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)

CAS:7440-31-5

RTECS #:XP7320000

Fr

action 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)  
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

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

Reports of Carcinogenicity: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 ADVER  
SE EFFECTS ARE EXPECTED  
FROM OCCASIONAL EXPOSURE TO BROKEN LAMPS. THE MAJOR HAZARD FROM  
BROKEN LAMPS IS THE POSSIBILIT Y OF SUSTAINING GLASS CUTS.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:THERE ARE NO KNOWN HEALTH HAZARDS FROM EXPOSURE  
TO LAMPS THAT ARE INTACT. NO ADVERSE EFFECTS ARE EXPECTED FROM  
OCCASIONAL EXPOSURE TO BROKEN LAMPS.

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

First Aid:GLASS CUT: PERFORM NORMAL FIRST AID PROCEDURES.  
SEEK MEDICAL  
ATTENTION AS REQUIRED. INHALATION: IF DISCOMFORT, IRRITATION OR  
SYMPTOMS OF PULMONARY INVOLVEMENT DEVELOP, REMOVE FROM EXPOSURE AND  
SEEK ME DICAL ATTENTION. INGESTION: IN THE UNLIKELY EVENT OF  
INGESTION OF A LARGE QUANTITY OF MATERIAL, SEEK MEDICAL ATTENTION.  
CONTACT SKIN: WASH WITH MILD SOAP. CONTACT EYE: FLUSH WITH WATER.

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

Flash Point:NON-COMBUSTIBLE  
Extinguishing Media:USE EXTINGUISHING AGEN

TS SUITABLE FOR SURROUNDING  
FIRE.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS TO  
PREVENT INHALATION OF DUST AND/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:IF LAMPS ARE BROKEN, VENTILATE AREA WHERE  
BREAKAGE OCCURRED  
. CLEAN-UP WITH MERCURY VACUUM CLEANER OR OTHER  
SUITABLE MEANS TO AVOID DUST AND MERCURY VAPOR GENERATION. TAKE  
USUAL PRECAUTIONS FOR COLLECT ION OF BROKEN GLASS.

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

Handling and Storage Precautions:AS A MATTER OF GOOD PRACTICE, AVOID  
PROLONGED OR FREQUENT EXPOSURE TO BROKEN LAMPS UNLESS THERE IS  
ADEQUATE VENTILATION.

Other Precautions:NONE

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

Resp  
iratory Protection:USE APPROPRIATE NIOSH APPROVED RESPIRATOR IF  
AIRBORNE DUST CONCENTRATIONS EXCEED THE PERTINENT PEL OR TLV  
LIMITS.

Ventilation:USE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION TO  
MAINTAIN EXPOSURE LEVELS BELOW THE PEL OR TLV LIMITS.

Protective Gloves:OSHA SPECIFIED GLOVES FOR BROKEN LAMPS.

Eye Protection:SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:AFETR HANDLING BROKEN LAMPS, WASH THOROUGHLY  
BEF

ORE EATING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

SYLVANIA BRAND FLUOROSCENT LAMPS, MANUFACTURED BY OSRAM SYLVANIA INC.  
ARE EXEMPTED FROM THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION  
STANDARD (29 CFR 1910.1200) BECAUSE THEY ARE ARTICLES. THE FOL  
LOWING INFORMATION IS PROVIDED BY OSRAMSYLVANIA INC. AS A COURTESY  
TO ITS CUSTOMERS.

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

HCC:N1

Appearance and Odor:NONE SPECIFIED BY MAN

UFACTURER.

Percent Volatiles by Volume:UNK

===== 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 =====

Waste Disposal Methods:PLACE MATERIAL IN CLOSED CONTAINERS TO AVOID  
GENERATING DUST. THE ULTIMATE DISPOSITION MUST BE IN ACCORDANCE  
WIT  
H APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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