

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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