



Philips Lighting Company

MATERIAL SAFETY DATA SHEET

Revised: 6/01

PRODUCT: HALOGEN (Single ended screw based halogen lamps)

SECTION 1: MANUFACTURER

Manufacturer's Name and Address: Philips Lighting Company
A Division of Philips Electronics
North America Corporation
200 Franklin Square Drive
P.O. Box 6800
Somerset, NJ 08875

Emergency Telephone Number: (800) 424-9300 CHEMTREC
(732) 563-3197 Safety and Compliance
Other Information Calls (800)-PLC-BULB

SECTION 2: HAZARDOUS INGREDIENTS

	OSHA PEL	ACGIH	PERCENTAGE
BROMINE (7726-95-6)	0.7 mg/m3	0.66 mg/m3	less than 0.004%
LEAD (7439-92-1)	.05 mg/m3	.15 mg/m3	approx. .025%
Inert ingredients ..Quartz, glass, metal parts (Al, Cu, Zn, etc.)			approx. 99.9%

SECTION 3: PHYSICAL CHEMICAL CHARACTERISTICS

This item is a light glass light bulb with a quartz inner bulb. The base is generally aluminum. Chemical characteristics are not applicable to the intact bulb or intact inner bulb.

SECTION 4: FIRE AND EXPLOSION DATA

This item is a light bulb. It has no fire data. Under extreme heat bulb might crack or melt.



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SECTION 5: REACTIVITY DATA

Stability: Lamp is stable

Incompatibility: Glass will react with hydrofluoric acid, base will react with other acids.

Polymerization: Will not occur

SECTION 6: HEALTH EFFECTS

Not applicable for the intact lamp when lamp is off. When lamp is on, bulb gets hot. Do not touch when lit.

Lamp contains a small amount of bromine. If inner bulb is broken the small amount of bromine will escape. No adverse effect is expected.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

When replacing lamp, be sure power to the socket is turned off before removing old lamp. DO NOT USE IN CLOSE PROXIMITY TO COMBUSTIBLE MATERIALS.

If used outdoors, use in an enclosed fixture only.

CAUTION: If outer glass breaks, avoid touching any of the metal components due to potential shock. The lamp may continue to light, however, immediately turn power off and let lamp cool before removal to avoid potential burn and discontinue use.

Normal precautions should be taken for the collection of broken glass.

Under the Toxic Characteristic Leaching Procedure this lamp will exhibit a lead value above the regulatory threshold. If you are a regulated generator or are disposing of large numbers of these lamps then you must be alert to the requirements of the Resource Conservation and Recovery Act and your local State Regulatory Authority before disposing of these lamps. Read the new Universal Waste Rule for lamps. Households are exempt from the Federal Hazardous Waste regulations but individual States may vary. Customers should review their waste handling practices to assure that they are properly disposing of waste lamps.

SECTION 8: CONTROL MEASURES

Hand and eye protection: Appropriate hand and eye protection should be worn when disposing lamps or handling broken glass.



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HALOGEN (Single ended screw base)
Page 2 of 3

SECTION 9:REGULATORY STATUS

This lamp is an article and is not regulated under any transportation regulation. Disposal regulations apply in large quantities. Under the new Universal Waste law lamps which fail the toxic characteristic for lead but are recycled are considered a Universal Waste and fall under these new regulations, if adopted by your State. They are found in 40CFR 273.

Prepared: 4/7/00

S23-99001



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