



Philips Lighting Company

MATERIAL SAFETY DATA SHEET

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PRODUCT: GERMICIDAL/ HOK 25/120 High-Pressure Mercury Vapor UV lamp

SECTION 1: MANUFACTUERER

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

SECTION 2: HAZARDOUS INGREDIENTS

	OSHA PEL	ACGIH	WT. PERCENTAGE
Mercury (7439-97-6)	.1mg/m ³	.025 mg/m ³	Approx. .2%
Quartz Glass (inert)	N/A	N/A	Approx. 97%

Mercury is inside the lamp; breakage may result in exposure.

SECTION 3: PHYSICAL CHEMICAL CHARACTERISTICS

This item is a quartz glass high-pressure UV producing light bulb. The mercury is inside the bulb; chemical characteristics of the bulb are not applicable. This bulb can crack if hit with a heavy object.



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P.O. Box 6800
Somerset, NJ 08875-6800
Tel: 732.563.3000

SECTION 4: FIRE AND EXPLOSION DATA

Glass is not a combustible, melting point is over 900°F. Fire and explosion data are not applicable. Under extreme heat, this bulb might crack or melt. If hit bulb may break cause a minor explosion due to the inert glass fill with in the lamp.

When this lamp is in operation the lamp temperature should be kept within recommended values by forced cooling and only operated in approved fixtures to prevent fires.

SECTION 5: REACTIVITY DATA

Stability: Lamp is stable

Incompatibility: Glass can be attacked by hydrofluoric acid

Polymerization: Not Applicable

SECTION 6: HEALTH EFFECTS

DANGER: These lamps emit ULTRAVIOLET RADIATION mainly between 320nm and 440nm. Avoid exposure. Ultraviolet radiation is harmful to the skin and the eyes and can cause serious skin burns and eye injury either from direct or reflected radiation. HOK lamps emit short-wave radiation and produce ozone. Therefore, they must be screened by means of suitable filters to protect eyes and skin. To reduce the risk of personal injury, install only in a fixture which provides adequate protection to area occupants. Should not be used for illumination purposes.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

Consult the fixture manufacturer regarding the suitability of the fixture for this lamp. Operate with proper auxiliary equipment. Turn off lamps before installing, replacing, cleaning or performing any maintenance work near fixtures.

Only operate these lamps in approved fixtures.

Wear eye protection when handling these lamps

Wear gloves while handling these lamps.

Handle lamps carefully to avoid breakage. Broken glass can cause cuts.

Waste Disposal Method: At the end of rated life, when this lamp is removed from service, it will be subjected to the current Toxic Characteristic Leaching Procedure (TCLP) prescribed by the Environmental Protection Agency. This test is used to determine whether an item is a hazardous waste or a non-hazardous waste under current E. P. A. definition. These lamps will fail the TCLP test and are considered hazardous under the Universal Waste Rules. Generators should evaluate all of the disposal options, which may be available in the particular state in which the generator's facility is located. The generator should check with federal, state and local officials for their guidance. Philips encourages recycling of its products by qualified recyclers.

SECTION 8: CONTROL MEASURES

Do not operate under these lamps without personal protective equipment. (Goggles, glove, skin protection)

Respiratory protection: If large numbers of these lamps are being broken appropriate respirator should be considered, note grinding of lamps an site may require a permit from state or federal authorities. We recommend recycling as the preferable disposal option.

Ventilation: avoid inhalation of airborne dust

Hand and eye protection should be worn when handling broken glass.

SECTION 9: REGULATORY INFORMATION

As a product these mercury containing lamps being shipped in the manufacturer's original packaging maybe regulated by air, truck or ocean shipment depending upon amount of lamps being shipped. Check with shipping regulations and amounts before shipping large quantities of these lamps. If a package contains more than 6 lamps and is to be shipped by air, the shipments must be accompanied by a Declaration of Dangerous Goods. As a waste, these spent fluorescent lamps would be regulated in various states and local communities. This material safety data sheet does not constitute "knowledge of the waste", in certain jurisdictions.

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