

MATERIAL SAFETY DATA SHEET

S06-94008
Revised: 12/2012

PRODUCT: HOK Germicidal UV Lamps

SECTION 1: MANUFACTURER

Manufacturer's Name and Address: Philips Lighting Company
A Division of Philips Electronics
North America Corporation
200 Franklin Square Drive
Somerset, NJ 08873-4186

Emergency Telephone No: (800) 424-9300 CHEMTREC
(800) 555-0050 Philips Lighting Technical Information

SECTION 2: HAZARDOUS INGREDIENTS

	OSHA (PEL) mg/m ³	ACGIH (TLV) mg/m ³	% by Weight
Inert Ingredients (Quartz Glass, Metal, etc.)			~97
Mercury (7439-97-6)	0.1	0.025	~0.2

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.

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, the bulb might crack or melt. If hit bulb may break causing a minor explosion due to the inert gas fill within 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 EPA definitions. 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, an appropriate respirator should be considered. Note: Crushing of lamps on site may require a permit from state or federal authorities. We recommend recycling as the preferred 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, when shipped in the manufacturer's original packaging, may be regulated for air shipment depending upon the amount of lamps being shipped. Check with shipping regulations and amounts before shipping large quantities of these lamps.

This material safety data sheet does not constitute "knowledge of the waste" in certain jurisdictions.

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