



Philips Lighting Company

MATERIAL SAFETY DATA SHEET

Revised: 6/01

PRODUCT: MERCURY VAPOR LAMP H44GS-100

SECTION 1: MANUFACTURER

Manufacturer's Name and Address: Philips Lighting Company
A division of Philips Electronics
North America Corporation
200 Franklin Square Drive
Somerset, New Jersey 08875

Emergency Telephone No.: (800) 424-9300 CHEMTREC
(732) 563-3197 Environmental

Other Information Calls: (607) 776-3311 Ext. 300

SECTION 2: HAZARDOUS INGREDIENTS

	OSHA (PEL) mg/m ³	ACGIH (TLV) mg/m ³	% by Wt.
Mercury (7439-97-6)	.05	.05	Approx. .01 %
Inert ingredients (Glass, Quartz, Metal)			Approx. 99.9%



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SECTION 3: PHYSICAL DATA

This item is a glass light bulb with a black silicone coating. Chemical characteristics are not applicable.

SECTION 4: FIRE AND EXPLOSION DATA

This item is a light bulb; it has no fire data. Under extreme heat, outer envelope might melt or crack.

SECTION 5: REACTIVITY DATA

Stability: Lamp is stable.
Incompatibility: Glass will react with hydrofluoric acid.
Polymerization: Will not occur.

SECTION 6: HEALTH HAZARD DATA

Not applicable to intact lamp. **WARNING!** These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes when envelope is broken unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken are available commercially.

EMERGENCY AND FIRST AID PROCEDURE: Normal first aid procedure for glass cuts if such occur through lamp breakage.



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SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

Shut off power to fixture before installing, replacing, cleaning or performing and maintenance to lamp installation.

CAUTION: Use this electric discharge lamp only with proper circuits and auxiliary equipment. Operating the lamp improperly may result in damage to equipment or personal injury, for which the lamp manufacturer does not assume any responsibility.

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

WASTE DISPOSAL METHOD: Under the Toxicity Characteristics Leachate Procedure (TCLP) promulgated by the U.S. Environmental Protection Agency (EPA), tests of used or spent high intensity discharge lamps indicate that some types of these lamps may be classified as characteristic hazardous waste. This lamp will fail the TCLP for lead (D008) and possibly for mercury (D009). Under the Universal Waste Rule now in force in many States requires that these lamps, at end of life, should be recycled or handled as hazardous waste. You should check with your State regulatory Agency. There are some exemptions depending on your status, quantity of waste generated and where you are located. These exemptions vary from state to state. o be checked with state authorities to insure proper disposal.

The lead used in the solder poses little risk of exposure under normal use and handling.

SECTION 8: CONTROL MEASURES

Respiratory Protection: Appropriate dust mask should be used if large volumes of lamps are broken for disposal.

Ventilation: Avoid inhalation of any airborne dust. Provide local exhaust when disposing large quantities of lamps.

Hand and Eye Protection: Should be worn when disposing of lamps or handling broken glass..



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