



Philips Lighting Company

MATERIAL SAFETY DATA SHEET

Revised: 6/01

PRODUCT: MERCURY VAPOR LAMP H36GW-1000/DX

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. .04%
Magnesium Fluorogermanate			
Phosphor as Fluoride	2.5	--	Approx. 2.5%
Inert ingredients (Glass, Quartz, Metal)			Approx. 97.5%



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SECTION 3: PHYSICAL DATA

This item is a glass light bulb. 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.

Breakage of the outer envelope may result in some exposure to the phosphor powder dust. No adverse effects are expected from occasional exposure to broken lamps, but as a matter of good practice, prolonged or frequent exposure should be avoided through the use of adequate ventilation during disposal of large quantities of lamps. The inner envelope is composed of quartz. Breakage of this envelope may result in some exposure to elemental mercury vapor. As with the phosphor powder, no adverse effects are expected from occasional exposure to broken lamps. As a matter of good practice, breakage should be avoided. Prolonged or frequent exposure to broken envelopes should be avoided through the use of adequate ventilation during disposal of large quantities of lamps.



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SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

Normal precautions should be taken for collection of broken glass.

WASTE DISPOSAL METHOD: Under the Toxicity Characteristic 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. These lamps will fail TCLP for lead and may fail for mercury. In many states the Universal Waste Rule for lamps makes recycling easier. It is the approach recommended by Philips The other option is full hazardous waste disposal. Both regulatory options vary from state to state. Check with your state agency for guidance. There are some exemptions which depend on your status, volume and location. Here too check with your state agency to insure proper disposal.

SECTION 7 : PRECAUTIONS FOR SAFE HANDLING AND USE (Cont'd)

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

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

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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SECTION 9: REGULATORY STATUS

NOTICE :The 1000 watt lamp contains enough mercury to be regulated for transportation by air. A case of 6 1000 watt lamps shipped by air cargo plane **REQUIRES** a Declaration of Dangerous Goods shipping document. The amount of mercury per case may exceed the IATA regulation for unrestricted air shipments.



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