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Material Safety Data Sheet

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MSDS NUMBER: S15-93001
PRODUCT: Metal Halide Family

SECTION 1: MANUFACTURER

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

Emergency Telephone Number: (800) 424-9300 CHEMTREC
 (732) 563-3197 Environment
 Other Information Calls: (607) 776-3311 Ext. 300

SECTION 2: HAZARDOUS INGREDIENTS

LAMP ASSEMBLY

	OSHA (PEL) mg/m ³	ACGIH TLV mg/m ³	%
Mercury (7439-97-6)	0.1	0.025	<
Iodine (7553-56-2)	Ceiling	8 hr. TWA	<
	1 (0.1 ppm ceiling)	1 (0.1 ppm ceiling)	<
Sodium Iodide (NaI) (7681-82-5)	None	None	<
Inert ingredients (Glass, Quartz, Metal)			A1

19906

SECTION 3: PHYSICAL DATA

This item is a 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 may 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

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

The inner envelope is composed of quartz. Breakage of this envelope may result in exposure to elemental mercury vapor or iodine compound vapors. 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 lamps.

EMERGENCY FIRST AID: Normal first aid procedure for glass cuts if such occurs in case of lamp breakage.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

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

WASTE DISPOSAL METHOD: The arc tube contains a small amount of mercury. A characteristic leachate test conducted on based HID lamps for lead and/or mercury will cause the lamp to be classified as a hazardous waste for mercury and lead. This lamp will come under the Universal Waste Rule published by EPA on July 6, 1999. Regulations will vary. Check with local and state authorities. Philips Lighting recommends recycling of spent Metal Halide lamps. The lead used in the so-called pose 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 handling large quantities of lamps.

Hand and Eye Protection: Appropriate hand and eye protection should be worn when disposing of large quantities of lamps or handling broken lamps.

SECTION 9: REGULATORY ISSUES

For Air Shipment: This lamp will require a manifest of dangerous goods if it is shipped by air or higher.

Revised: 8/02