



**MATERIAL SAFETY DATA SHEET**

**PRODUCT: Compact Fluorescent Lamp (Except MLMS20, MLMS25 & MLMS30)**

**SECTION 1: MANUFACTURER**

Manufacturer's Name and Address: MaxLite S.K. America  
19 Chapin Rd., Bdlg. B  
Pine Brook, New Jersey 07058

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

**SECTION 2: HAZARDOUS INGREDIENTS**

	OSHA (PEL) Mg/m3	ACGIH (TLV) mg/m3	% by Wt.
Phosphor Powder (nuisance dust) than .5	15	10	Less
yttrium oxide than .5 (as yttrium)	1	1	Less
Lead (7439-92-1)	.005	.1	Less than .05
Tin (7440-31-5) Less than .1		10 hr. TWA .1	.1
Bismuth (7440-69-9)	not listed		Less than .005
Mercury (7439-97-6)	.05	.05	Less than .005

**SECTION 3: PHYSICAL DATA**

Not applicable. This item is a light bulb.

#### **SECTION 4: FIRE AND EXPLOSION DATA**

Not applicable. The lamp materials are not flammable.

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#### **SECTION 5: REACTIVITY DATA**

Stability: Lamp is stable.

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#### **SECTION 6: HEALTH HAZARD DATA**

Not applicable to the intact lamp. The luminescent materials are contained within the glass tubers. Tube breakage may result in some exposure to phosphor powder dust, mercury and small amounts of tin, lead, and bismuth. No adverse effects are expected from occasional exposure to broken lamps. Prolonged or frequent exposure should be avoided through use of adequate ventilation during disposal of large numbers of lamps as a matter of good practice.

**EMERGENCY FIRST AID:** Normal first aid procedures for glass cuts if such occur through the lamp breakage.

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#### **SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE**

For indoor/outdoor use where not subjected to the weather. Not for the use in lighting devices controlled by dimmers and other electronic controls. Reliable operation down to -20 degrees Fahrenheit (wind chill not a factor.)

**WASTE DISPOSAL METHOD:** Toxicity law Characteristics Leaching Procedure (TCLP) promulgated by the U.S. Environmental Agency (EPA) tests of used or spent fluorescent lamps indicate some types of lamps may be classified as characteristic hazardous waste. TCLP test results for fluorescent lamps vary tremendously from laboratory to laboratory. Lamps from all manufacturers exhibit the same phenomena. The National Electrical Manufacturers Association (NEMA) is working closely with the EPA for clarification and guidance.

Disposal of spent lamps may be regulated if they are added to other regulated wastes or disposed in large quantities. If small quantities of these lamps are discarded in an ordinary trash, method of lamp disposal may not be affected much. Customer should review their waste handling practices to assure that they are properly disposing of waste lamps.

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## **SECTION 8: CONTROL MEASURES**

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

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

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