



Material Safety Data Sheet

Product : HALOGEN (Single ended screw based halogen lamps)

Company Identification Litetronics International Inc.,
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Hazardous Ingredients

Lamp Assembly

OSHA	Bromine(7726-95-6)	Lead(7439-92-1)
Mg/m3	0.7	0.05
ACGIH(TLV)	0.66	0.15
% by Wt	<0.004	<0.025%
Inert ingredients	Glass, metal parts (Al, Cu, Sn, etc.)	approx. 99.88%

Chemical / Physical Data

This item is a light bulb. The base is generally brass. Chemical characteristic is not applicable to intact lamps.

Fire & Explosion Data

This item is light lamp. It has no data related to fire. It can melt or crack under extreme heat condition. Generally continuous external flame source is needed to initiate or sustain combustion.

Reactivity Data

Polymerization will not occur. Glass will react with HF acid & base will react with other acids. In brief lamp is stable.

Health Hazard Data

Not Applicable to the intact lamp or when lamp is off. Breakage of the cover will not result in any release of material. 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 number of lamps. Lamp contains small amount of bromine. If inner bulb is broken the small amount of bromine will escape. When lamp is on, bulb is hot. Don't touch while lit or in use.

Emergency & First Aid Procedure : Normal first aid procedure for glass cuts, if such occur through lamp breakage.

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Precautions for safe handling and use

Normal precautions should be taken for collection of broken glass.

Warning: If outer glass breaks, avoid touching any of the metal components due to potential shock. The lamp may continue to light, however, immediately turn off power and lamp cool before removal to avoid potential burn and discontinue use.

Waste Disposal Method : Leaching Procedure this lamp will exhibit a lead value above the regulatory threshold. If you are a regulated generator or are disposing of large numbers of these lamps then you must be alert to the requirements of the Resource Conservation and Recovery Act and your local State Regulatory Authority before disposing of these lamps. Read the new Universal Waste Rule for lamps. Households are exempt from the Federal Hazardous Waste regulations but individual States may vary. Customers should review their waste handling practices to assure that they are properly disposing of waste lamps. For more information, please visit www.lamprecycle.org.

Control Measures

Respiratory Protection : None. NIOSH approved respirator might be used if large volume of lamps are being broken for disposal.

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

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

When breaking lamps wear protective eyeglasses or chemical safety goggles.

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Under the occupational Safety and Health Administration (OSHA) Hazards communication Standard, a lamp (light bulb) is exempted as an “article”, and that as such, does not require an MSDS.