

## MATERIAL SAFETY DATA SHEET

S16-93001  
Revised 12/2012

**PRODUCT: SOX LOW PRESSURE SODIUM LAMPS**  
All Wattages

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### **SECTION 1 MANUFACTURER**

Manufacturer's Name and Address: Philips Lighting Company  
A Division of Philips Electronics  
North America Corporation  
200 Franklin Square Drive  
Somerset, NJ 08873-4186

Emergency Telephone No: (800) 424-9300 CHEMTREC  
(800) 555-0050 Philips Lighting Technical Information

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### **SECTION 2 HAZARDOUS INGREDIENTS**

	OSHA (PEL) mg/m <sup>3</sup>	ACGIH (TLV) mg/m <sup>3</sup>	% by Wt.
Inert ingredients (glass, metal)			~99.8%
Sodium (7440-23-5)			<0.2%
Lead + (7439-92-1)	0.05	0.1	~0.025%

+ Lead is found within the glass tubing inside the lamp and in the base solder.

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### **SECTION 3 PHYSICAL DATA**

This item is a glass light bulb, chemical characteristics not applicable. For broken lamps: See Section 7.

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

Fire and explosion data not applicable to an intact lamp. Broken lamps can present a danger of significant heat generation in the presence of small amounts of water: See Section 7.

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### **SECTION 5 REACTIVITY**

Stability: Lamp is stable.  
Incompatibility: Glass will react with hydrofluoric acid, interior fill will react with water.  
Polymerization: Not applicable.

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## **SECTION 6 HEALTH HAZARD DATA**

Not applicable for the intact lamp. Breakage of the inner bulb can result in exposure to small amounts of elemental sodium. Health hazard data is not available for sodium as it will readily react with water to form sodium hydroxide and heat.

EMERGENCY AND FIRST AID PROCEDURE: If glass cuts occur due to breakage of lamp inner tube, avoid use of water in cleaning cut. Use antiseptic cream. If inner tube is intact normal first aid procedures for glass cuts can be used.

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

### **WARNING:**

Prevent the bulb from being scratched. The lamps must be stored and transported in the original packing. Be sure power supply is off before installing or removing lamp. In case outer bulb is broken, avoid making contact with metal parts to prevent electrical shock.

This lamp contains sodium, which can generate significant heat when exposed to small amounts of water. Broken lamps may constitute an ignitable and/or reactive hazardous waste. Special care should be taken to prevent contact with skin and water. It is recommended these lamps be recycled through an approved lamp recycler. Consult applicable Federal, State and local disposal regulations.

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## **SECTION 8 CONTROL MEASURES:**

Respiratory Protection: None needed during lamp operation. Dust mask and goggles should be used when breaking lamps for disposal.

Ventilation: Avoid inhalation of dust when handling broken lamps. Gloves should be worn when breaking lamps to prevent cuts from broken glass.

The manufacturer/distributor will not accept any liability for injury or damage resulting from incorrect use of the lamp or from using improper equipment. No responsibility is assumed by the manufacturer/distributor for any special incidental or consequential damages.

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