

INCANDESCENT LAMPS

MATERIAL SAFETY DATA SHEET



INFORMATION AND APPLICABILITY

The Material Safety Data Sheet (MSDS) requirements of the Occupational Safety and Health Administration (OSHA) for chemicals are not applicable to manufactured articles such as lamps. No material contained in a lamp is released during normal use and operation.

The information in this document is provided as a courtesy and is intended to provide relevant information in the event the articles it covers are encountered during unintended, or abnormal, circumstances.

SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME(S): SUPERIOR LIFE®

This data sheet is inclusive of all color temperatures (CCT), lamp shape, base types and wattages for general lighting applications.

MANUFACTURER: P.Q.L., INC.

2285 Ward Avenue
Simi Valley, CA 93065
Ph: 800.323.8107

SECTION 2: LAMP MATERIALS AND INFORMATION ON INGREDIENTS

THERE ARE NO KNOWN HEALTH HAZARDS FROM EXPOSURE TO LAMPS THAT ARE INTACT.

LAMP ASSEMBLY:

Glass and Metal - These lamps are composed of a standard lime glass envelope or a heat-resistant glass envelope surrounding a tungsten wire filament. Certain automotive lamps have an amber glass envelope for use on automobiles where required by the Department of Transportation. Depending on the lamp type, the envelope is either clear or coated with a diffusing material.

Diffusing Material - If the coating is on the interior of the lamp, it is either specially prepared Kaolin clay (Frosted, Standard or Soft-White lamps) or a mixture of Kaolin clay and a pigment (Dawn Pink and Bug Yellow). If the coating is on the exterior of the lamp, it consists of a fired glass material containing a suitable pigment.

Metals - In addition to the tungsten lamp filament, other wires made from molybdenum, copper, iron, and/or nickel are used as support wires or for electrical connections. Lamp bases may be either brass or aluminum and may contain a lead solder. Some lamp types are manufactured without bases.

SECTION 3: PHYSICAL/CHEMICAL PROPERTIES

Not applicable to intact lamp. This item is a glass light bulb. The base is generally aluminum, some applications use brass bases.

SECTION 4: FIRE AND EXPLOSION HAZARDS

Not applicable to an intact lamp. If subjected to extreme heat, the glass may crack.

SECTION 5: REACTIVITY DATA

Not applicable to an intact lamp.

SECTION 6: HEALTH HAZARDS

Not applicable to an intact lamp. When lamp is on, bulb gets hot to the touch.

Glass - Take normal care with broken glass. Apply normal first aid for glass cuts if such should occur through lamp breakage.

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SECTION 7: LAMP DISPOSAL PROCEDURES

When replacing a lamp, be sure the power to the socket is turned off before removing old lamp.

Take usual precautions for broken glass. Place materials in closed containers to avoid generating dust.

Tungsten, molybdenum, copper, iron, nickel, and clay are all considered hazardous chemicals, but because of their form or relatively low toxicity, do not present a hazard. Neither do the pigments used in the exterior coatings, due to the insolubility of the glass coating.

These lamps do not contain any materials that would subject them to special transportation or disposal requirements.

SECTION 8: CONTROL MEASURES

Respiratory Protection - None. NIOSH-approved respirator should be used if large quantities of lamps are being broken for disposal.

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

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

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