

HALOGEN LAMPS - DOUBLE ENDED / PIN BASE

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 for all double ended or pin based halogen (quartz) lamps 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 - These Double-ended or Pin-based Halogen lamps are composed of a quartz glass envelope surrounding a tungsten wire filament. The bulb contains iodine or bromine halogen gas.

Metals - Double-ended or Pin-based Halogen lamps are manufactured with a ceramic base at both ends (Double-ended) or at one end (Pin-based), which is secured in place by high-temperature cement. The quartz glass envelope may be clear or diffused in appearance. In addition to the tungsten lamp filament, Double-ended or Pin-based Halogen lamps are manufactured using support wires made from molybdenum, copper, iron, and/or nickel for electrical connections.

SECTION 3: PHYSICAL/CHEMICAL PROPERTIES

Not applicable to intact lamp. These are light bulbs in various configurations and designs consisting of a tubular quartz bulb and ceramic end caps.

SECTION 4: FIRE AND EXPLOSION HAZARDS

Not applicable to an intact lamp. Under extreme heat the outer glass envelope may melt or crack. When these lamps are operating, they become very hot and pose a fire hazard if not used in fixtures designed and approved to use these types of lamps. Therefore, these lamps should only be used in an approved fixture.

SECTION 5: REACTIVITY DATA

Not applicable to an intact lamp.

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SECTION 6: HEALTH HAZARDS

Not applicable to an intact lamp. Breakage of the lamp may result in the release of a small amount of bromine. No adverse effects are expected from occasional exposure to broken lamps, but as a matter of good practice, prolonged exposure should be avoided through the use of adequate ventilation during the disposal of large quantities of lamps.

These lamps do get very hot when operating and may pose a burn hazard – Do not touch the lamp while it is operating. Allow the lamp to cool down sufficiently before removing it from its fixture.

If a lamp breaks, turn off or disconnect power to the fixture and allow the lamp to cool down sufficiently before attempting to remove it from the fixture.

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

SECTION 7: LAMP DISPOSAL PROCEDURES

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

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

Tungsten, molybdenum, copper, iron, and nickel are all considered hazardous chemicals, but because of their form or relatively low toxicity, do not present a hazard.

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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