



Lamp Material Information Sheet

Material Safety Data Sheets (MSDS) 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 following information is provided as a service to our customers. The following Lamp Material Information Sheet contains applicable Material Safety Data Sheet information.

I. Product Identification

GE Double-Ended or Pin- Based Quartz Halogen Lamps

**GE Consumer & Industrial
Lighting**

1975 Noble Road
Nela Park
Cleveland, OH 44112
(216) 266-2222

II. Lamp Materials and Hazardous Ingredients

Glass & Metal

Double-ended or Pin-based Quartz lamps are composed of a quartz glass envelope surrounding a tungsten wire filament. The bulb is filled with a bromine or iodine halogen gas. Double-ended or Pin-based quartz lamps have a ceramic base at one or both ends attached with high- temperature cement. The quartz glass envelope may be clear or diffuse. 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.

III. Health Concerns

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.

IV. Disposal Concerns

TCLP

A Toxicity Characteristic Leaching Procedure (TCLP) test conducted on double-ended or pin-based quartz halogen lamps would not cause the lamps to be classified as a hazardous waste.