



MATERIAL SAFETY DATA SHEET

Product: Quartz Halogen Lamps

SECTION 1: MANUFACTURER

Manufacturer's Name and Address: Halco Lighting Technologies
2940 Pacific Drive
Norcross, GA 30071
Telephone: 770-242-3609
Fax: 770-242-3615

SECTION 2: HAZARDOUS INGREDIENTS

Glass & Metal

Double-ended and pin based quartz lamps are composed of a quartz glass envelope surrounding a tungsten filament. The quartz envelope is filled with bromine or iodine halogen gas. The base of the lamp is ceramic attached with high-temperature cement. The quartz glass envelope may be clear or diffused. In addition to the tungsten filament, other wires made from molybdenum, copper, iron and/or nickel are used as support wires or for electrical conditions.

SECTION 3: 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.

SECTION 4: 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.