

## LAMP MATERIAL INFORMATION SHEET TUNGSTEN HALOGEN LAMPS

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### **MATERIAL SAFETY DATA SHEET (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. This Lamp Material Information Sheet contains the Material Safety Data Sheet information that is applicable.

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### **SECTION 1: PRODUCT IDENTIFICATION**

Trade Name: SATCO

- This data sheet is inclusive of all screw based tungsten halogen SATCO brand lamps for general lighting applications.

SATCO Products, Inc.  
110 Heartland Blvd.  
Brentwood, NY 11717

Phone: (800) 437-2826 or (631) 243-2022

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### **SECTION 2: LAMP MATERIALS AND HAZARDOUS INGREDIENTS**

#### **Glass**

These Tungsten Halogen lamps are manufactured with standard lime glass envelope or a heat-resistant glass and the burner is composed of a quartz glass envelope surrounding a tungsten wire filament. The bulb contains iodine or bromine halogen gas.

#### **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). 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 contain a lead solder.

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**SECTION 3: PHYSICAL/CHEMICAL PROPERTIES**

Not Applicable to Intact lamp.

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**SECTION 4: FIRE AND EXPLOSION HAZARDS**

Not applicable. Under extreme high temperatures, the glass might crack

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**SECTION 5: REACTIVITY DATA**

Stability: Stable

Incompatibility: None for intact lamp

Hazardous Polymerization: Not applicable

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**SECTION 6: HEALTH HAZARDS**

Exposure to intact lamp does not pose any known health hazards.

**Glass**

Take normal care with broken glass.

**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.

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**SECTION 7: DISPOSAL CONCERNS**

Take normal precautions for broken glass. Avoid generating dust; personal protective equipment may be needed.

**TCLP**

A Toxicity Characteristic Leaching Procedure (TCLP) test conducted on tungsten halogen lamps would not cause the lamps to be classified as hazardous waste. You should review your waste handling practices to assure that you dispose of waste lamps properly and contact your state environmental department for any regulations that may apply. Note SATCO brand halogen lamps are manufactured in compliance with RoHS standards.