LAMP MATERIAL INFORMATION SHEET
INCANDESCENT LAMP

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.

SECTION 1: PRODUCT IDENTIFICATION

Trade Name: SATCO

- This data sheet is inclusive of all incandescent lamps, SATCO, Allura, and Satco/Supreme brand lamps for general lighting applications
- This data sheet is not intended to cover special application lamps including blacklight, colored, plant, or aquarium lamps.

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

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

SECTION 2: LAMP MATERIALS AND HAZARDOUS INGREDIENTS

Glass & 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.

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

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, 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.

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 lead-solder based-lamps could cause the lamps to be classified as hazardous waste for lead. The lead used in the solder poses little risk of exposure under normal use and handling. While small numbers of these lamps placed in ordinary trash may not appreciably affect the nature or method of disposal of the trash, under some circumstances disposal of large quantities may be regulated. 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 most SATCO brand incandescent lamps are manufactured with Lead-free solder and are RoHS compliant.