



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 do not apply to manufactured articles such as lamps. During normal use and operation no materials contained in a lamp are released.

The following contains applicable Material Safety Data Sheet Information

I. PRODUCT IDENTIFICATION

DAMAR® Incandescent lamps

DAMAR Worldwide 4 LLC
PO BOX 2347
Sarasota, FL 34230-2347

II. LAMP MATERIALS AND HAZARDOUS INGREDIENTS

- A. **DIFFUSING MATERIAL:** The coating consists of a fired glass material containing a suitable pigment if it is on the outside of the lamp. The coating is either specially prepared Kaolin clay or a mixture of Kaolin clay and a pigment if it is on the inside of the lamp.
- B. **GLASS AND METAL:** The outer glass envelope of these lamps, which surrounds the tungsten filament, are made of standard soda-lime glass or heat resistant glass. Some automotive lamps have an amber glass envelope as required by the Department of Transportation. Other wires, used for electrical connections or support, are made from molybdenum, iron, copper and/or nickel. The bases of the lamps could be either aluminum or brass and contain a lead solder.

III. HEALTH CONCERNS

- A. The pigments used in a lamp coating do not present a health hazard. Because of the low toxicity and form of the nickel, iron, copper, molybdenum, tungsten and clay, they do not present a health hazard.

IV. DISPOSAL CONCERNS

TCLP: The lead used in the solder poses little risk of exposure under normal handling and use, although the TCLP test may classify the lamp as hazardous waste for the lead. Disposal of large quantities of these lamps may be regulated by state and/or local regulations. To check state regulations or to locate a recycler, go to <http://www.lamprecycle.org>.