

Low Pressure Sodium Lamps

Current Lighting Solutions, LLC

25825 Science Park STE 400
Beachwood, OH 44122-7392

**Safety Data Sheet (SDS),
Material Safety Data Sheets (MSDS)**

Information and Applicability

The Product Safety Data Sheet (SDS) requirements, formally known as the Material Safety Data Sheets (MSDS), 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 Product Safety Data Sheet contains applicable Safety Data Sheet information.

Section 1. Product Identification

Current Low Pressure Sodium Lamps (SOX)

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Section 2. Hazardous Identification

Other than the normal concerns for electrical safety, there are no safety issues involved with intact Low-Pressure Sodium lamps during normal use.

Section 3. Lamp Composition and Detailed Ingredient Information

General Lamp Composition

The outer glass tube of a low-pressure sodium lamp is manufactured from soda-lime glass and is essentially similar but not identical to that used throughout the glass industry for bottles and other common consumer items. Internally, the support wires used in the lamp construction are made from nickel-coated iron or stainless steel while electrodes are made from tungsten. The lamp base is attached with lead solder.

Section 4. First Aid Measures

Not applicable to intact lamps during normal use and operation.

Section 5. Fire-Fighting Measures

Broken low pressure sodium lamps contain sodium metal which will react with water, evolving heat.

Section 6. Accidental Release Measures

Broken low pressure sodium lamps contain sodium metal which will react with water, evolving heat. Do not use water to clean up broken low-pressure sodium debris.

Section 7. Handling and Storage

New lamps being held for use, or spent lamps being held for recycling, should remain in their original packaging, or other protective packaging, and should be placed in a dry storage area that minimizes any risk of accidental breakage.

Section 8. Exposure Controls/Personal Protection

There are no unique requirements during normal use and operation. The lead in the base solder poses insignificant of risk exposure under normal use and handling.

Section 9. Physical and Chemical Properties

Not applicable to intact lamps.

Section 10. Stability and Reactivity

Not applicable to intact lamps.

Section 11. Toxicological Information

None of the lamp materials present a significant exposure risk due to their physical form, intended use, and insolubility.

Section 12. Ecological Information

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Section 13. Disposal Considerations

TCLP

A Toxicity Characteristic Leaching Procedure (TCLP) test conducted on the lamp for lead could cause the lamp to be classified as a hazardous waste due to the lead solder used on the base. Because of the sodium content, these lamps would also be considered a reactive waste.

Waste management practices should be reviewed to assure proper waste disposal. Contact your state environmental department for any regulations that may apply. To check state regulations or to locate a recycler, go to www.lamprecycle.org.

Section 14. Transport Information

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Section 15. Regulatory Information

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Section 16. Other Information

The Product Safety Data Sheet for Low Pressure Sodium Lamps was prepared in 2022.