



LED LAMP Safety Data Sheet (SDS)

Section 1: IDENTIFICATION

Product identifier: LED Lamp

Other means of identification: TLED, SSL Lamp

Company identification: Westinghouse Lighting
12401 McNulty Rd.
Philadelphia, PA 19154

Emergency phone number: 1-888-417-6222

Section 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

There are no known health hazards from exposure to lamp that are intact. This product is identified as an 'article' and does not require a Safety Data Sheet (SDS), the following data is provided for informational purposes only.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	% by Weight	AGCIH (TLV)	OSHA (PEL)
Brass (base)	1344-09-8	4%	1.0	1.0
Glass	24937-74-4	47%	10mg/m3	15mg/m3
Phenolic Plastic	7429-90-5	23%	0.05	0.05
Aluminum Substrate	67762-90-7	1 - 9%	0.05 - 10	0.05 - 10
Silica Glue	112926-00-8	0 - 2%	1.0	2.0
Assembly Glue	74-95-3	>19%	10	10
Filling gas (CH ₂ Br ₂)	7439-92-1	0 - 1.0%	/	/
Solder	7440-50-8	0 - 2%	0.15	0.05

Section 4: FIRST AID MEASURES

Description of first aid measures

General information: Normal first aid procedure for cuts if such occur through lamp breakage.

After inhalation: No applicable information was found.

After skin contact: No applicable information was found.

After eye contact: No applicable information was found.

After ingestion: In the unlikely event of ingestion of a large quantity of material, seek medical attention.

Most important symptoms/effects, acute and delayed

There are no known health hazards from exposure to lamps that are intact.

Indication of immediate medical attention and special treatment needed

No applicable information was found.

Section 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable: Not applicable to an intact lamp. If subjected to extreme heat glass components may crack or melt and may emit toxic fumes. Use extinguishing media appropriate for combustibles in the area. Dry powder fire extinguisher.

Unsuitable: Water (when lamp is energized).

Specific hazards arising from the chemical: No applicable information was found.

Advice for firefighters: Use extinguishing agents suitable for surrounding fire. Use dry powder fire extinguisher.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Eye protection: No applicable information was found.

Hand protection: No applicable information was found.

Body protection: No applicable information was found.

Methods and materials for containment and cleaning up

No applicable information was found.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Handing: No further requirements.

Conditions for safe storage, including any incompatibilities

Storage: Store the product at temperatures between -40°C and 60°C, dry and clean environment. Use normal good material and housekeeping practices to avoid breakage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

No applicable information was found.

Exposure controls

Avoid inhalation of any airborne dust. Provide local exhaust when disposing of large quantities of lamps. The lamp may operate at a high temperature, please allow to cool before servicing.

Hand and Eye Protection: Appropriate hand and eye protection should be worn when disposing of lamps and/or handling broken components.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: No applicable information was found.

Odor: No applicable information was found.

Odor threshold: No applicable information was found.

pH: No applicable information was found.

Melting point: No applicable information was found.

Freezing point: No applicable information was found.

Initial boiling point and boiling range: No applicable information was found.

Flash point: No applicable information was found.

Evaporation rate: No applicable information was found.

Flammability (solid, gas): Solid. No applicable information was found.

Upper flammability or explosive limits: No applicable information was found.

Lower flammability or explosive limits: No applicable information was found.

Vapor pressure: No applicable information was found.

Vapor density: No applicable information was found.

Relative density: No applicable information was found.

Solubility: No applicable information was found.

Partition coefficient: n-octanol/water: No applicable information was found.

Auto-ignition temperature: No applicable information was found.

Decomposition temperature: No applicable information was found.

Viscosity: No applicable information was found.

Section 10: STABILITY AND REACTIVITY

Reactivity: No applicable information was found.

Chemical stability: No applicable information was found.

Possibility of hazardous reactions: No applicable information was found.

Conditions to avoid: No applicable information was found.

Incompatible materials: Do not use near materials that are negatively affected by heat.

Hazardous decomposition products: No applicable information was found.

Section 11: TOXICOLOGICAL INFORMATION

Information on various toxicological effects

Inhalation: No applicable information was found.

Ingestion: No applicable information was found.

Skin contact: No applicable information was found.

Eye contact: No applicable information was found.

Acute toxicity: No applicable information was found.

Carcinogenic categories: No applicable information was found.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No applicable information was found.

Persistence and degradability: No applicable information was found.

Bioaccumulative potential: No applicable information was found.

Mobility in soil: No applicable information was found.

Other adverse effects: No applicable information was found.

Section 13: DISPOSAL CONSIDERATIONS

Recommended methods of disposal including packaging

Dispose according to federal, state and local regulations.

Section 14: TRANSPORT INFORMATION

UN number: No applicable information was found.

UN proper shipping name: No applicable information was found.

Transport hazard class(es): No applicable information was found.

Packing group, if applicable: No applicable information was found.

Environmental hazards: No applicable information was found.

Transport in bulk: No applicable information was found.

Special precautions: No applicable information was found.

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product

As a waste, this product may be regulated in various states and local communities; it is recommended you check with federal, state, and/or local officials for current guidelines and regulations for special handling and disposal.

Section 16: OTHER INFORMATION

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BATTERY Safety Data Sheet (SDS)

Section 1: IDENTIFICATION

Product identifier: Battery

Other means of identification: Battery, cell, 9V Battery, 12V Battery

Company identification: Westinghouse Lighting
12401 McNulty Rd.
Philadelphia, PA 19154

Emergency phone number: 1-888-417-6222

Section 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

There are no known health hazards from exposure to product that is intact. This product is identified as an 'article' and does not require a Safety Data Sheet (SDS), the following data is provided for informational purposes only.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	% by Weight	AGCIH (TLV)	OSHA (PEL)
Manganese Dioxide	1313-13-9	>29	-	-
Acetylene Black	74-86-2	5.25	-	-
Lead	7439-92-1	0.025	-	-
Cadmium	7440-43-9	<0.001	-	-
Mercury	7439-97-6	<0.0001	-	-
Zinc	7440-66-6	8.75	-	-
Zinc Chloride	7646-85-7	4.2	-	-
Ammonium Chloride	12125-02-9	8.7	-	-
Steel	12597-69-2	19	-	-
Potassium Hydroxide	1310-58-3	16	-	-
Vinyl Acetal Polymers	63148-64-1	2	-	-

Section 4: FIRST AID MEASURES

Description of first aid measures

General information: No applicable information was found.

After inhalation: No applicable information was found.

After skin contact: No applicable information was found.

After eye contact: No applicable information was found.

After ingestion: No applicable information was found.

Most important symptoms/effects, acute and delayed

No applicable information was found.

Indication of immediate medical attention and special treatment needed

No applicable information was found.

Section 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable: No applicable information was found.

Unsuitable: No applicable information was found.

Advice for firefighters: No applicable information was found.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

No applicable information was found.

Methods and materials for containment and cleaning up

No applicable information was found.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Do not short or install with incorrect polarity.

Conditions for safe storage, including any incompatibilities

Avoid mechanical or electrical abuse. Store in a cool, dry, well-ventilated place. Keep away from heat.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

Avoid mechanical or electrical abuse.

Exposure controls

No applicable information was found.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: No applicable information was found.

Odor: Odorless.

Odor threshold: No applicable information was found.

pH: No applicable information was found.

Melting point: No applicable information was found.

Freezing point: No applicable information was found.

Initial boiling point and boiling range: No applicable information was found.

Flash point: No applicable information was found.

Evaporation rate: No applicable information was found.

Flammability (solid, gas): No applicable information was found.

Upper flammability or explosive limits: No applicable information was found.

Lower flammability or explosive limits: No applicable information was found.

Vapor pressure: No applicable information was found.

Vapor density: No applicable information was found.

Relative density: No applicable information was found.

Solubility: No applicable information was found.

Partition coefficient: n-octanol/water: No applicable information was found.

Auto-ignition temperature: No applicable information was found.

Decomposition temperature: No applicable information was found.

Viscosity: No applicable information was found.

Section 10: STABILITY AND REACTIVITY

Reactivity: Stable.

Chemical stability: Stable.

Possibility of hazardous reactions: Do not short circuit, charge or dispose of in fire.

Conditions to avoid: Do no short circuit, charge or dispose of in fire.

Incompatible materials: No applicable information was found.

Hazardous decomposition products: No applicable information was found.

Section 11: TOXICOLOGICAL INFORMATION

Information on various toxicological effects

Inhalation: No applicable information was found.

Ingestion: No applicable information was found.

Skin contact: No applicable information was found.

Eye contact: No applicable information was found.

Acute toxicity: No applicable information was found.

Carcinogenic categories: No applicable information was found.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No applicable information was found.

Persistence and degradability: No applicable information was found.

Bioaccumulative potential: No applicable information was found.

Mobility in soil: No applicable information was found.

Other adverse effects: No applicable information was found.

Section 13: DISPOSAL CONSIDERATIONS

Recommended methods of disposal including packaging

Dispose of the batteries according to state, local, or national regulations.

Section 14: TRANSPORT INFORMATION

UN number: No applicable information was found.

UN proper shipping name: No applicable information was found.

Transport hazard class(es): No applicable information was found

Packing group, if applicable: No applicable information was found.

Environmental hazards: No applicable information was found.

Transport in bulk: No applicable information was found.

Special precautions: No applicable information was found.

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product

Dispose of the batteries according to state, local, or national regulations. Keep out of reach of children.

Section 16: OTHER INFORMATION

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