

VIAVOLT INC.

MATERIAL SAFETY DATA SHEET

Form#1503

Product: Viavolt Fluorescent Lamps – All Lamp Types and Fixtures

9/25/2012

Models: V21, V24, V44, V48, V150, V250, V400 VT52B, VT52B, PROPKIT2, PROPKIT4, VBBDW500 KIT, V4DWC KIT, V150 KIT, V41 KIT, V44 KIT, V48 KIT

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Section 1. Manufacturer and Contact Information

Viagrow Inc. 2561 West Point Ave
College Park, GA 30337

Emergency Phone Number: (888)305-4450
Other Information: (678)510-0032

Section 2. Hazardous ingredients/identity information

These lamps contain the following materials:

Material	CAS#	Percentage (by weight)
Inert ingredients (glass and metal)	-	98%
Phosphor Powder	-	<2.0%
Fluorides	(16984-48-8)	<.01%
Manganese	(7439-96-5)	<.01%
Mercury	(7439-97-6)	<.01%

Section 3. Physical properties

Not applicable to an intact lamp. These items are light bulbs in various shapes, configurations, and designs. All contain a small fluorescent tube (either twisted or bent to shape), a plastic housing (containing an electronic circuit to start the lamp), and a threaded base for use in standard incandescent lamp sockets.

Section 4. Fire and explosion hazards

Not applicable to an intact lamp. If subjected to extreme heat, the plastic and glass components of the lamp may crack or melt and the lamp may emit toxic fumes.

Section 5. Reactivity

Not applicable to an intact lamp.

Section 6. Health hazards

Not applicable to an intact lamp. Breakage of the lamp may result in some exposure to the phosphor powder and to elemental mercury. No adverse effects are expected from occasional exposure to broken lamps, but as a matter of good practice, prolonged exposure should be avoided through the use of adequate ventilation during the disposal of large quantities of lamps.

Emergency and First Aid Procedures: Apply normal first aid for glass cuts if such should occur through lamp breakage.

Section 7. Lamp disposal procedures

Normal precautions should be taken for the collection of glass particles in the event a lamp is broken.

Waste Disposal Method: All fluorescent lamps contain some amount of mercury. When a compact fluorescent lamp is to be disposed, it is subject to the current EPA Toxicity Characteristic Leaching Procedure (TCLP) disposal criteria. This test is used to determine if an item can be managed as hazardous or non-hazardous waste.

All disposal options should be evaluated with respect to federal, state, and local requirements. Before disposing of waste lamps, check with federal, state, and/or local officials for current guidelines and regulations. Viavolt encourages recycling of its products through qualified recycling facilities.

Section 8. Control measures

Respiratory Protection: None. NIOSH-approved respirator should be used if large quantities of lamps are being broken for disposal.

Ventilation: Avoid inhalation of any airborne dust. Provide local exhaust when disposing of large quantities of lamps.

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

Section 9. Regulatory information

As a product, these mercury-containing lamps, when shipped in the manufacturer's original packaging, are not regulated by air, truck, or ocean shipment. As a waste, these lamps may be regulated in various states and local communities. This safety data sheet does not constitute "knowledge of the waste" in certain jurisdictions.

Occupational Health and Safety Administration (OSHA) Material Safety Data Sheet (MSDS) requirements for materials are not applicable to manufactured articles in which individuals would not be subjected to materials contained in the article during its normally intended use. The information in this document is provided as a courtesy and is intended to provide relevant information in the event the articles it covers are encountered during unintended, or abnormal, circumstances.