

MATERIAL SAFETY DATA SHEET

Vector® Plasma™ Standard Light Bulb

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (PROSAR)

TRANSPORTATION: 800-424-9300 (CHEMTREC)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Vector Plasma Standard Light Bulb
EPA Reg. No.: Not Regulated
Light Trap Product Code(s): 20-1080 (Vector Plasma)
20-1080-1 (Vector Plasma One™)
EPA Signal Word: Not Regulated
Distributed by: Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

There are no known health hazards from exposure to lamps that are intact. Unless specified otherwise, the following materials are from the glass bulb part of the complete lamp. Unless specified otherwise the percentage weight refers to the complete lamp. If the lamp is broken then the following materials may be released:

COMPOSITION INFORMATION

INGREDIENTS (100%)	%	Long Term Exposure Limit 8 Hour TWA	Short Term Exposure Limit 15 minute	CAS NO.
Glass (Soda Lime)	40-60 %			NA
Fluorescent Phosphor as dust	<0.5%	10.0 mg m ³		NA
IO ₃	<0.1%	10.0 mg m ³		1344-28-1
Mercury (Hg)	<0.1%	0.025 mg m ³		7439-97-6
Barium compounds as dust	<0.1%	0.5 mg m ³		7440-39-3
Yttrium Oxide (as Y dust)	0-0.5%	1.0 mg m ³	3.0 mg m ³	7440-65-5

This product as supplied is not considered hazardous as defined in the US Code of Federal Regulations, 29CFR 1910.1200. This product is considered an 'article' as supplied for its intended and foreseen use.

SECTION 3. HAZARDS IDENTIFICATION

The breakage of one or a small number of lamps will not result in significant concentrations of Mercury vapor or fluorescent phosphor powder in air.

HAZARDOUS DECOMPOSITION PRODUCTS

None for intact lamps.

SECTION 4. FIRST AID MEASURES

There are no known health hazards from intact lamps.

SECTION 5. FIRE FIGHTING MEASURES

FLAMMABILITY

The lamp is non-combustible

FIRE EXTINGUISHING MATERIALS

No special materials are required. Use the ones most appropriate for the surrounding fire.

SPECIAL FIRE-FIGHTING PROCEDURE

Use self-contained breathing apparatus to prevent inhalation of dust or fumes that may come from lamps broken by the heat or fire-fighting activities.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE

The following applies to broken lamps only.

Do not breathe vapors or dust. Avoid contact with skin, eyes and clothing. Do not flush into surface water, ground water or sanitary sewer. Collect together all components of lamp and place in clean dry container and seal. Remove for appropriate disposal.

Emergency Telephone Number of Chemtrec: 800-424-9300 (for transportation spills)

SECTION 7. HANDLING AND STORAGE

For indoor and outdoor use if not exposed to the weather. Must be kept dry. It is the responsibility of the waste generator to ensure proper classification of waste products, including this one.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

These instructions only apply to broken lamps. As stated in Section 3, small numbers of broken lamps will present no adverse health effects.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: Use NIOSH approved respirator with a mercury cartridge or canister with any P prefilter.

Eye Protection: The use of safety glasses, goggles or face shields is recommended for handling broken glass.

Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Hygiene: After handling broken lamps wash thoroughly before eating, handling tobacco products, applying cosmetics or using the toilet facilities.

VENTILATION

Use both general and local exhaust ventilation to maintain exposure levels below the long or short term limits.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Not applicable for intact lamps.

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable.

Conditions to Avoid: None for intact lamps.

Incompatibility (Materials to Avoid): None for intact lamps

Hazardous Polymerization: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS

None for intact lamps products.

SECTION 11. TOXICOLOGICAL INFORMATION

Not applicable for intact lamps.

SECTION 12. ECOLOGICAL INFORMATION

Not applicable for intact lamps.

SECTION 13. DISPOSAL CONSIDERATION

It is always the end user's responsibility to ensure that lamps are disposed of in accordance with local, state and federal regulations. Some states and localities have different criteria than the federal government's Toxicity Characteristic Leaching Procedure (TCLP) standard, and have different statutes and regulations regarding lamp disposal. Consult your local and state authorities for correct lamp disposal requirements. To check state regulations or to locate a recycler visit the following web site: http://www.almr.org/support_files/stringency2.html

SECTION 14. TRANSPORT INFORMATION

This product is suitable for any transportation method.

SECTION 15. REGULATORY INFORMATION

Not applicable for intact lamps.

SECTION 16. OTHER INFORMATION

No other information available.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. **For automatic MSDS updates, register at www.wmmg.com.**

Questions concerning the safe handling of the product should be referred to the Whitmire Micro-Gen customer service department at 800-777-8570.

NA – Not Applicable
NE – Not Established
PEL – Permissible Exposure Limit
TLV – Threshold Limit Value
STEL – Short Term Exposure Limit (15 min.)
TWA – Time Weighted Average (8 hrs.)



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