Issue date: 2-10-95 **Reference:** **Xenon Flash Lamp, General**
Revision date: 5-07-2002

MATERIAL SAFETY DATA SHEET

Section I - Product Identity

Manufacturers name: **PerkinElmer Optoelectronics**
Address: 44370 Christy St.
Fremont, CA 94538
Telephone number: (510) 979-6500

Product name: **XENON FLASH LAMP**
Manufacturers ID #: All models made without thoriated tungsten

Section II - Hazardous or Chemical Components/Ingredients *

Component	CAS#	TLV/ACGIH
Silicon Dioxide	7631-86-9	0.1 mg/m^3 (dust)
Tungsten / La_2O_3	7440-33-7	5 mg/m^3 (dust)
Xenon	7440-63-3	N/A
Barium Oxide	1304-28-5	0.5 mg(Ba)/m^3 (dust)
Calcium Oxide	1305-78-8	5 mg/m^3(dust)
Strontium Oxide	1314-11-0	5 mg/m^3(dust)
Aluminum Oxide	1344-28-1	10 mg/m^3(dust)

***NOTE:** The ingredients listed above are small quantities of the assembly within the final product. None of these items are exposed or present a hazard if the product is used and handled properly. A MSDS is not required for this product, but is included for safety precautions or if product is accidentally broken.

Section III - Physical Data

Boiling Point:	N/A	Specific Gravity:	N/A
Percent Volatile:	N/A	Vapor Pressure:	N/A
Evaporation Rate:	N/A	Vapor Density:	N/A
Solubility in Water:	N/A		
Lamp Pressure:	50-3000 TORR		

Section IV - Fire and Explosion Data

Flash Point: N/A Fire Fighting Procedures: Non-flammable
Extinguishing Limits: N/A Explosion Limits: N/A
Hazardous Decomposition Products: N/A

Special Explosion Hazard: Addition of extreme heat or jarring of lamp may cause lamp to burst. Protective eye, face, and body equipment should be utilized when handling lamps.

Section V - Health Hazard Data

These products are designed to produce high intensity ultraviolet and visible radiation. Precaution should be taken to prevent exposure to eyes and skin.

Effects of Acute Overexposure: Blindness, temporary blindness, and

skin burns.

Effects of Chronic Overexposure: Blindness, cataracts, and skin cancer.

Emergency First Aid Procedures: Remove from exposure and seek medical attention.

Note: Refer to National Institute for Occupational Safety and Health Report No. NIOSH-TR-001-73 for additional information and precautions for exposure to ultraviolet radiation.

Section VI - Reactivity Data

Hazardous polymerization:	N/A
Incompatibility:	N/A
Stability:	N/A

Section VII - Spill, Leak and Disposal Procedures

No disposal restrictions are known. User should check and follow any applicable federal, state and local regulations in disposing of any lamp.

Section VIII - Protective Equipment to be used

Appropriate eye and skin protection is to be worn when handling lamp or when exposed to lamp during operation.

Note: During operation the lamp possesses the following hazards and appropriate protective equipment to be worn:

Section VIII - Protective Equipment to be used (cont.)

Explosion - Protective eyewear minimum, face shields and protective clothing designed to withstand explosive failure is strongly recommended when close to lamp during operation.

Ultraviolet - UV blocking protective eyewear minimum during operation. Exposed skin should be covered or protected from skin burn due to UV exposure.

Section IX - Special Precaution and Additional Comments

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See Operating Hazards sheet enclosed with lamp.