



375 Marcus Boulevard
Hauppauge, New York 11788

Tel: 631.273.0500

Fax: 631.273.0771
631.273.0780

www.ultraviolet.com
email: info@atlanticuv.com

THE STANDARD OF EXCELLENCE IN ULTRAVIOLET

Manufacturers / Engineers / Sales / Service

PRODUCT DATA SHEET

PRODUCT: Germicidal Ultraviolet Lamps including ozone-producing types

SECTION 1 MANUFACTURER

Manufacturer's Name and Address:

Atlantic Ultraviolet Corporation
375 Marcus Boulevard
Hauppauge, NY 11788
Telephone (631) 273-0500
Fax: (631) 273-0771
Email: info@ultraviolet.com
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SECTION 2 HAZARDOUS INGREDIENTS

OSHA PEL ACGIH TLV PERCENTAGE

Inert ingredients
(glass, tungsten, molybdenum, copper) approx. 99.95% by wt

Mercury .05 mg/m³ .05 mg.m³ approx. .05% by wt.

SECTION 3 PHYSICAL CHEMICAL CHARACTERISTICS

Not applicable. This item is an ultraviolet lamp. Up to 6 foot long and up to 1.5 inches in

SECTION 4 FIRE AND EXPLOSION DATA

Fire and explosion data not applicable. Under extreme heat, glass envelope might melt or crack; plastic base may burn.

SECTION 5 REACTIVITY DATA

Stability: Lamp is stable
Incompatibility: Glass will react with Hydrofluoric Acid
Polymerization: Not applicable



SECTION 6 HEALTH HAZARD DATA

Ultraviolet Rays

This product (germicidal lamps) is intended for applications only where humans will not be intentionally exposed to the ultraviolet rays. Avoid exposure of persons to direct or reflected germicidal ultraviolet rays. If it is desired to operate germicidal lamps in such a way that persons will or may be exposed to the germicidal ultraviolet rays, adequate eye, face and skin protection must be worn by all exposed persons. Overexposure to direct or reflected rays will cause painful eye irritation and reddening of the skin (TLV = 6.0 mJ/cm² at 254 nm).

Ozone

Some germicidal lamps (ozone producing types), in addition to producing ultraviolet rays, will also produce substantial quantities of ozone when operated in air. Care should be exercised in design and installation of equipment so that ozone concentration will not exceed .05 parts per million in areas occupied by people. Provide adequate ventilation in all areas where equipment utilizing ozone producing lamps are employed.

Breakage of the lamp may result in some exposure to elemental mercury vapor. No adverse affects are expected from occasional exposure to broken lamps, but as a matter of good practice, prolonged or frequent exposure should be avoided through the use of adequate ventilation during disposal of large quantities of lamps.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

See Section 6

Normal precautions should be taken for collection of broken glass.

WASTE DISPOSAL METHOD: Dispose in accordance with applicable Federal, State and local regulations.

SECTION 8 CONTROL MEASURES

Appropriate eye, skin and face protection should be worn by all persons exposed to germicidal ultraviolet rays.

Adequate ventilation will tend to prevent excessive accumulation of ozone.

Respiratory Protection: Appropriate dust mask should be used if large volumes of lamps are being broken for disposal.

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

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