



# Materials Safe Data Sheet (MSDS)

## The 1st Item Product Description

**Product Name:** UV LAMP

**Chemical Name:** Silicone seals, Quartz, Mercury, PC plastic.

**Manufacturer:** Ningbo Yawei Water Purifier Manufacture Co.,Ltd

No.288 Xizhihe Road, Chunxiao Town, Beilun District, Ningbo, China

Inquiry phone

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**MSDS Code:** UV001

Revisions Times: 0

## The 2nd Item Main composition and character

Name	Molecular formula	CAS Code	Maximum content
Quartz	O <sub>2</sub> Si	60676-86-0	N/A
Liquid mercury	Hg	7439-97-6	0.05/mg/m <sup>3</sup> TWA

### Exposure Maximum

**OSHA:** Not established    **ACGIH:** Not established    **NIOSH:** Not established

## The 3rd Item The impact of harm

### Exposure way:

**Eye touch:** cause electro-optic ophthalmia.

**Intake:** UV lamp does not exist intake harm.

**Inhalation:** No ozone uv lamp not exist inhalation harm.

**Skin touch:** skin which touch uv light can cause erythema dermatitis and so on.

### Potential health impacts of multiple exposure:

**Entry way:** Eye Irradiation, Skin Irradiation

**Symptoms:** Prolonged exposure to multiple times may cause dermatitis and electro-optic ophthalmia

**Damage to organs:** Eyes and skin

**Excessive exposure to worsening symptoms:** People who have previously had ocular inflammation and other eye diseases are more sensitive to excessive exposure. May increase the condition of dermatitis patients.

**Carcinogenicity:** Not classified as carcinogens or potential carcinogens by NTP, OSHA and IARC.

## The 4th Item First-aid Measures



**Eye touch:** Exposure to it can cause electro-optical ophthalmia. If symptoms occur, use the ice eye or high temperature sterilized fresh milk drops, and immediately seek medical treatment.

**Intake:** Intake is almost impossible to become a UV exposure.

**Inhalation:** Inhalation is almost impossible to reach the UV pathway.

**Skin touch:** Touch with the goods caused by erythema or dermatitis. If symptoms occur, seek immediate medical attention.

**Note:** The impact of uv light radiation on the eyes and skin will generally disappear within 48 hours, a very small number of people may be too sensitive to uv light, the need to timely treatment to the hospital.

**The 5th Item      Fire and explosion**

**Flash point:**                      **Spontaneous point:**                      **Flammability limit:**

Not applicable                      Not applicable                      Nonflammable

**Extinguishing agent:** Hexafluoroethane is not flammable and does not help combustion, and choose with the surrounding fire material to adapt to the fire extinguishing materials.

**Special fire fighting instructions:** Not applicable

**Exceptional fire and explosion hazard:** Not applicable

**Hazardous combustion products:** Not present

**The 6th Item      Accidental leak & Accident handling**

**Lamp glass crushing and treatment methods:**

Such as lamp quartz tube is damaged, the lamp should be placed in a safe sealed container, by a professional waste disposal agencies.

**The 7th Item      storage & Use**

**Storage:** UV lamps are fragile, and the internal contain a small amount of mercury, the human body will have a certain risk, it should be a perfect packaging, and stored in a safe and dry environment, the lamp can be stored A year in the case of no use

**Use:** The need for professionals and in accordance with the instructions to install the use of the supplier, while doing protective measures. This product is compatible with all common materials.

**The 8th Item      Exposure controls / personal protective measures**

**Engineering control:**

**Installation:** Should be installed under the guidance of professionals, and need to fully understand the installation process of UV harm, and do protective measures.

**Respiratory protection:** Not applicable

**Eye protection:** When you need to visual, should bring professional anti-UV



glasses, and can not wear contact lenses

**Protection of the skin:** When the need to lift the UV, should be exposed to the skin with all the clothes covered, or smear anti-UV cream.

**Other protective equipment:** If necessary, wear protective masks, prepare eye drops and other protective and first aid items.

### **The 9th Item Physical and chemical properties**

**Appearance, smell and state:** solid, transparent and tasteless

**Molecular weight:** Not applicable

**Boiling Point:** Not applicable

**Weight:** Not applicable

**Freezing point / melting point (1 atm):** Not applicable

**Vapor pressure (70 ° F (21.1 ° C):** Not applicable

**Gas density (70 ° F (21.1 ° C) 1 atm):** Not applicable

**Note:** When used, the lamp surface will heat up

### **The 10th Item: Stability and Reactivity**

**Chemical stability:** Stable

**Avoid the situation:** Avoid Harm caused by mercury outflow, and Avoid exposure to UV light sensitive items and personnel

### **The 11th Item: Toxicological information**

**LC<sub>50</sub> (inhalation):** Not applicable

**LD<sub>50</sub> (oral):** Not applicable

**LD<sub>50</sub> (skin):** Not applicable

**Other Note:** No relevant data.

### **The 12th Item Ecological impact**

**Water Toxicity:** Not established

**Liquidity:** Not established

**Persistence and biodegradation:** Not established

**Potential bioaccumulation:** not established

**Note:** no harmful ecological impact.

### **The 13th Item Disposal**

**Unused products:** Transfer the lamp to the supplier for recycling, or in accordance with the provisions of the relevant countries to do the disposal.

**Treatment:** Lamps need to be safe packaging and according to the relevant national regulations for recycling or disposal.

### **The 14th Item: Transport information**



**DOT Shipping Name:** Not applicable

**Hazard Level:** Not applicable

**Identification number:** None

**DOT shipping label:** None

**Warning sign (If needed):** None

**Special transport information:** UV lamp is fragile, need to post the relevant label and avoid squeezing and throwing.

**North America Emergency Response Guidance Manual #:** Not applicable

### **The 15th Item: Relevant regulations**

National standards of the Chinese government:

GB/T 19258-2012

### **The 16th Item: Others.**

The above information is for reference only to users and manufacturers, the actual operation and use of the environment to comply with national laws and regulations.