

MSDS Material Safety Data Sheet

Section 1 - Product and Company Identification

Product Identification: UV germicidal lamp


Manufacturer or Supplier Name: Shaoxing Puer Electrical Co., LTD

Manufacturer or Supplier Address: No.389 Tongjiang West Road, Shangyu District Caoe Development Zone,
Shaoxing City, Zhejiang Province

Applicant : NINGBO DAXIE UV LIGHT & ELECTRICITY CO.,LTD

ApplicantAddress:NO.99 Huandao West Road, Xiexi Industrial Zone, Daxie Development Zone, Ningbo City,
Zhejiang province, China

Model No. : ZW36D17mm-H411/36W

Product trademark:  佑威光电
UV LIGHT & ELECTRICITY

Contact Person: Zheng Gang

Tel.: 18090808990

E-mail: 673266804@qq.com

Section 2 – Composition/Information on Ingredients

Ingredient Name: Plastic, Metal, Gas

The difference between the single product and mixture: mixture

Chemical Name:

Constitutes:

Chemical Name	In % by weight	CAS No.
SiO ₂	98.825%	7631-86-9
Hg	0.001%	7439-86-6
Ar	0.001%	7440-37-1
Cu	0.09%	7440-50-8
Mo	0.001%	7439-98-7
W	0.002%	7440-33-7
CaCO ₃	0.09%	471-34-1
(C ₆ H ₆ O·CH ₂ O) _x	0.09%	9003-35-4
Fibreglass	0.5%	65997-17-3
Polybutylene terephthalate	0.4%	24968-12-5

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Section 3 - Hazards Identification information

Health Hazards Acute & Chronic: no harm to human body

Signs & Symptoms of Overexposure:

Eyes: no harm to human body

Section 4 - First Aid Measures

First Aid:

Eyes: Not available.

Skin: Not available.

Inhalation: Not available.

Air: Not available

Ingestion: Do not induce

Vomiting: Keep warm. Get medical attention.

The most important symptom and harm effect: acid burn

The protection to the first aid person: According to procedure to disposal

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, msha/niosh (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Flammable liquid and vapor.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flash Point: 150 deg C (302.00 deg F)

Autoignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: Not published.

Section 6 - Accidental Release Measures

Spill Release Procedures:

Use Proper Personal Protection; Remove All Ignition Sources. Use Suitable Absorbent Materials and Recover for Proper Disposal.

Section 7 - Handling and Storage

Handling: Use spark-proof tools and explosion proof equipment. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage:

1. Please place it in a safe and dry environment after closing. It is not easy for children to touch

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Section 8 - Exposure Controls & Personal Protection

Respiratory Protection:

Use Niosh/Msha Approved Respirator For Organic Vapors/Mist If Above Tlv/Pel

Ventilation:

Local/General To Maintain To Maintain Tlv/Pel Below The Limits.

Protective Gloves:

Nitrile Rubber

Eye Protection: Chemical Splash Goggles

Other Protective Equipment: Impervious Clothing & Boots.

Work Hygienic Practices: Avoid Contact With Skin And Eyes; Do Not Breathe Vapors/Mist

Section 9 - Physical & Chemical Properties

SuTMCance estate: mixture

Shape: solid

Color: N/A

Smell: N/A

PH value: N/A

Boiling point/ boiling point scope: N/A

Decomposition temperature: N/A

Fire point: N/A

Test method: N/A cup-opening

Self-ignite temperature: non-combustible

Explosion limit: N/A

Vapor tension: N/A

Vapor density: N/A

Density: N/A

Solubility: The electrolyte dissoluble in water; and the whole battery isn't dissoluble in water

Section 10 - Stability & Reactivity Data

Chemical Stability: Stable.

Conditions to Avoid: Incompatible materials, exposure to moist air or water.

Incompatibilities with Other Materials: Strong oxidizing agents, strong acids, strong bases, alkali metals, metallic salts.

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Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported

Section 11 - Toxicological Information

Toxicological Information: THERE ARE NO KNOWN HEALTH HAZARDS FROM LAMPS THAT ARE INTACT AND NOT OPERATED. No adverse effects are expected from occasional exposure to broken lamps. As a matter of good practice, avoid prolonged or frequent exposure to broken lamps unless there is adequate ventilation. The major hazard from broken lamps is the possibility of sustaining glass cuts.

EFFECTS OF OVEREXPOSURE TO BROKEN LAMPS BY INHALATION, INGESTION, OR CONTACT WITH SKIN OR EYE.

Mercury - Exposure to high concentrations of vapors for brief periods can cause acute symptoms such as pneumonitis, chest pains, shortness of breath, coughing, gingivitis, salivation, and possibly stomatitis. Chronic exposure may cause tremors and neuropsychiatric problems. May cause redness and irritation as a result of contact with skin and/or eyes.

GHS Classification of mercury:

Acute toxicity-inhalation, category 2:

Reproductive toxicity, category 1B:

Specific Target Organ Toxicity - Repeated exposure, category 1:

Hazardous to the aquatic environment - Acute hazard, category 1:

Hazardous to the aquatic environment - Chronic hazard, category 1:

Section 12 - Ecological Information

Ecological Information:

N/P

Section 13 - Disposal Considerations

Waste Disposal Methods:

Dispose Of Collected Material In Accordance With Local, State And Federal Regs.

Section 14 - MSDS Transport Information

All UV germicidal lamp comply with the necessary testing requirements under the UN 38.3 Manual of Tests and Criteria as referenced in the following transportation regulations.

1. UN recommendations on the Transport of Dangerous Goods Model Regulations.
2. U.S. Department of Transportation of Dangerous Goods Model Regulations.
3. International Civil Aviation Organization (ICAO) Technical Instructions.
4. International Maritime Dangerous Goods (IMDG) code.
5. IATA DGR 61th Edition [2020].

UV germicidal lamp is exempted from these regulations since they meet all UN Testing requirements and Contain no

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more than 8 grams of equivalent lithium content (See 49 CFR 173.185 of the U.S.HMR, Special Provision A45 of the ICAO Technical Instructions and IATA Dangerous Goods Regulations, and Special Provision 188 of the IMDG Code and UN model Regulations.)

Equivalent Lithium Content Calculation:

Under the UN 38.3 Manual of Test and Criteria 9ST/SG/AC.10/11/Rev.3), to determine the equivalent lithium Content of the lithium cell (and battery), multiply the rated capacity in ampere-hours of the cell by 0.3.(Under this formula, every ampere-hour in a lithium ion cell would be equivalent to 0.3 grams of lithium Metal)

Example: A lithium cell in a battery pack may have a rated capacity of 2.2 ampere-hours. Applying a Conversion factor of 0.3, a battery pack with 2 of those cells contains 1.32 grams of equivalent lithium Content.($2.2 \times 0.3 \times 2 = 1.32$ grams of equivalent lithium content)

The UV germicidal lamp packed in the strong inner and outer package so as to prevent short circuits and prevent contacting with conductive materials within the same packaging .The gross weight of each package is 10.0Kg.The package is capable of withstanding a 1.2m drop test in any orientation. According to PI966 Section II of IATA Dangerous Goods Regulations, the UV germicidal lamp not restricted.

Section 15 - Regulatory Information

SARA Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Section 16 - Other Information

Other Information:

N/P

TMC confirmed the ninth item, the above content as reference information only. Please the user according to the demand to judge it usability. TMC has no any responsibility.

Sample photo