

Safety Data Sheet (SDS)

1. Product and Company Information

Product name: MFT-063818URW

Company name: Miyata Elevam Co., Ltd.

Address: 6-19-10 Higashikashiwagaya, Ebina City, Kanagawa Prefecture

Department in charge: Technical Department

Phone number: 046-234-8031

Fax number: 046-234-8030

2. Hazard Summary

Most Important Hazards : Not applicable unless lamp is broken or damaged.

Specific hazards:

- (1) Looking directly at the light from the lamp will cause eye pain and visual impairment.
- (2) When the light of the lamp hits the skin directly, it causes skin inflammation.
- (3) Touching the lamp while it is on or just after it is off may cause burns.

Outline of assumed emergency situation: Injury due to quartz glass and metal scattered when the lamp is broken or exploded.

3. Composition, Ingredient Information

Single product/mixture distinction: mixture

Ingredients and content:

- (1) Tungsten
- (2) Borosilicate glass (including Al₂O₃ and B₂O₃ in addition to SiO₂)
- (3) Tantalum
- (4) Pressure when unused: 0.024 MPa (filled amount 0.87 mg)
Pressure when active: 0.1 MPa or less
- (5) Nickel
- (6) Barium

4. First Aid

First aid measures to be taken:

If you damage the lamp while it is off:

- (1) Wear protective gloves and collect scattered glass and metal.
- (2) If you are injured by flying glass or metal, immediately consult a doctor and follow his/her instructions.

If the lamp explodes during operation:

- (1) Turn off the power of the device and wait until the lamp and lamp house cool down.
- (2) After the lamp and lamp house cool down, wear protective gloves and collect the scattered glass and metal.
- (3) If you are injured by scattered glass or metal, immediately seek medical attention and follow the doctor's instructions.

Inhalation: No information available.

Skin contact : No information available.

If in eyes: No information available.

Ingestion: No information available.

5. Fire measures

Suitable extinguishing media : Use extinguishing media suitable for the surrounding area to extinguish the fire.

Unsuitable Extinguishing Media: Do not use water-based extinguishing media when electrical parts are nearby.

Specific hazards in case of fire:

- (1) The lamp itself is not combustible, but if it breaks, glass and metal may scatter.
- (2) Move the lamp to a place where it will not be damaged.

6. Action In Case of Leakage

Personal Protective Equipment and Emergency Procedures : See "8. Exposure Controls/Personal Protection" and "4. First Aid Measures".

Environmental precautions: No information available.

Method of collection: No information.

Personal Precautions: See "2. Hazards Summary".

7. Precautions for Handling and Storage Handling

Exposure controls : See "8. Exposure Controls/Personal Protection".

Fire and Explosion Prevention Measures: Use lighting fixtures that are properly fire and explosion proof.

Exhaust method: Since it becomes hot during lighting, perform appropriate exhaust.

Notes :

- (1) Do not touch the glass part directly with bare hands. If it gets dirty, wipe it with a clean cloth dampened with alcohol.
- (2) When handling the lamp, wear a protective mask (that can also protect the neck), protective gloves, and thick long-sleeved clothing.
- (3) Do not hit, apply excessive force, or scratch.

Storage

Appropriate storage method: Store in the dedicated individual packaging case.

Appropriate storage conditions:

- (1) Temperature: -40 to +85°C
- (2) Humidity: 80% RH or less
- (3) Atmospheric pressure: Atmospheric pressure
- (4) Others: No condensation.

8. Exposure Controls/Personal Protection

Protective equipment

Eye protection:

When handling, be sure to wear a protection. Can protect the carotid artery and is made of polycarbonate with a thickness of 2 mm or more or equivalent. Those with strength should be worn.

Do not look at the lamp when it is lit. If you need to look at the lamp while it is on, wear safety glasses that can reduce glare and protect from ultraviolet radiation.

Hand protection:

Be sure to wear protective gloves (such as aramid fiber with excellent cut resistance and puncture resistance) when handling.

Wear protective gloves to avoid direct contact with the skin from the lamp.

Skin and body protection:

Be sure to wear thick long-sleeved clothing (made of aramid fiber, which has excellent resistance to cuts and punctures) when handling.

Protective equipment type:

Protective surface: A surface that can protect the carotid artery and is made of polycarbonate with a thickness of 2 mm or more, or that has an equivalent or higher strength.

Protective gloves: Gloves with excellent cut resistance and puncture resistance such as aramid fiber.

Long-sleeved clothing: Wear with excellent resistance to cuts and punctures, such as aramid fiber.

Equipment measures

Use a dedicated ballast and lamp house and light the lamp under specified lamp input (W) and temperature conditions.

Appropriate measures should be taken to prevent glass fragments, metal fragments, and their dust particles from flying out when the lamp explodes inside the equipment. However, it must be compatible with lamp cooling.

9. Physical and Chemical Properties

Physical state: Solid

Shape: Lamp

Color: Glass part is transparent, others are metallic color

Odor: None

10. Stability and Reactivity

Stability: Stable at room temperature.

Reactivity: None

Conditions to avoid:

(1) Do not hit the lamp, drop it, or apply excessive force.

(2) Do not damage the glass part of the lamp.

Incompatible substances: None

11. Toxicological information

No information on lamps.

12. Environmental Impact Information

No information on lamps.

13. Disposal Considerations

Disposal method and precautions:

When disposing of the lamp, be sure to break the glass part according to the following procedure. If you discard it without breaking it, in the disposal process rupture is possible. If it ruptures, it may cause injury.

- (1) Be sure to wear a protective mask, protective gloves, and thick long-sleeved clothing.
- (2) Place the lamp in the dedicated protective case and lock it securely.
- (3) After placing the lamp in the protective case, place the lamp in the packaging box from which the cushioning material was removed, and tape the lid to prevent it from opening. Tape tightly.
- (4) Drop the packaging box (with used lamps) horizontally from a height of about 1m onto the hard floor.
- (5) Gently shake the packaging box to confirm that the lamp is cracked.
- (6) Dispose of as industrial waste. Separate disposal of metal and glass if necessary.

14. Precautions for Transportation

Specific safety measures and conditions of transport:

- (1) The lamp should be packed in an individual box and transported in a shipping packing box (outer cardboard box).
- (2) Put a sufficient amount of cushioning material between the individual packaging and the shipping packaging.
- (3) Place the lamp horizontally when storing it.

In addition, since it is not a hazardous substance, there is no problem in terms of international rules even if it is exported overseas.

15. Applicable Law

Name of law applicable to chemical substances, etc.: None

16. Other nformation

Important safety information:

The description is based on the latest information, but does not constitute any guarantee.

In addition, the descriptions in this document apply to normal usage conditions.