

# METAL HALIDE LAMPS

## Material Safety Data Sheet (MSDS)

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### INFORMATION AND APPLICABILITY

The Material Safety Data Sheet (MSDS) requirements of the Occupational Safety and Health Administration (OSHA) for chemicals are not applicable to manufactured articles such as lamps. No material contained in a lamp is released during normal use and operation.

The following information is provided as a service to our customers. This Lamp Material Information Sheet contains the Material Safety Data Sheet information that is applicable.

## Section 1. MANUFACTURER AND CONTACT INFORMATION

### EiKO GLOBAL

- **US:** 18000 W. 105 Street, 3rd Floor, Olathe, KS 66061 • 1-800-852-2217
- **Canada:** 7900 Goreway Dr Unit 8, Brampton, ON L6T 5W6 • 1-888-741-2673

## Section 2. HAZARDOUS INGREDIENTS

- **Fatalness grade:** According to Globally Harmonized System of Classification and Labelling of Chemicals Version 9, the product is classified as non hazardous.
- **Invasion route:** Skin, eye contact, inhalation, ingestion.
- **Burn & burst danger:** This product is not flammable dangerous goods.
- **Health Hazards:** No known significant impacts and hazards.
- **Environment Hazards:** No known significant impacts and hazards

## Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

PURE  ADMISTURE

Main Composition :

CHEMICAL NAME	COMPOSITION(%)	CAS NO.	EC NO.
Hg	---	7439-97-6	231-106-7
Silica glass	---	60676-86-0	262-373-8
W	---	7440-33-7	231-143-9
Aluminum Oxide	---	1302-74-5	603-397-4
Kr85	---	---	---
Hard frit glass	---	---	---
Fe	---	7439-89-6	231-096-4
Ni	---	7440-02-0	231-111-4
Niobium aluminum alloy	---	---	---
Sn	---	7440-31-5	231-141-8
Cu	---	7440-50-8	231-159-6
Sc	---	7440-20-2	231-129-2
Argon	---	7400-37-1	231-147-0
Nitrogen	---	7727-37-9	231-783-9
Yttrium europium alum phosphate	---	---	---
Ceramics	---	66402-68-4	266-340-9
Mo	---	7439-98-7	231-107-2
Ta	---	7440-25-7	231-135-5
Niobium zirconium alloy	---	---	---
Scandium iodide	---	14474-33-0	238-469-0

CHEMICAL NAME	COMPOSITION(%)	CAS NO.	EC NO.
Sodium iodide	---	7681-82-5	231-679-3
Indium iodide	---	13510-35-5	236-839-6
Thallium iodide	---	7790-30-9	232-199-7
Dysprosium iodide	---	15474-63-2	239-493-4
Stainless Steel	---	---	---

## Section 4. FIRST-AID MEASURES

- **Skin touch:** If you are scratched by broken fragments, clean and disinfect the wound
- **Eyes touch:** Lift the eyelids and rinse with normal saline.
- **Inhalation:** If the gas is discharged after the product is broken, evacuate to a place with fresh air.
- **Ingestion:** Vomit and seek medical attention immediately.
- **Tips to doctors:** None.
- **Most important symptoms:** None.

## Section 5. FIRE FIGHTING MEASURES

- **Danger characteristic:** This product is not flammable dangerous goods.
- **Hazardous Combustion Products:** CO, CO<sub>2</sub>.
- **Fire-Fighting method & media:** Fire fighters should wear air breathing apparatus and full body fire-proof clothing. Under the condition of ensuring their own safety, they should move the containers from the fire site to the open area as far as possible. Gas masks should be worn when putting out fire. Fire extinguishing agents: anti foaming foam, dry powder, carbon dioxide and sand.

## Section 6. ACCIDENTAL RELEASE MEASURES

- **Operator protective measures:** It is recommended that emergency personnel wear
- **Emergency treatment:** Small amount of leakage: clean the damaged products and collect them in good condition. Large amount of leakage: cut off the fire source, centralized recovery and unified treatment.
- **Environmental protection measures:** Avoid the product directly into the environment without treatment.

## Section 7. HANDLING AND STORAGE

- **Handling:** Provide adequate ventilation. Operators must strictly abide by the operating procedures. It is recommended that operators wear masks, work clothes and gloves. Smoking is strictly prohibited in the workplace.
- **Storage:** Store in a cool and ventilated warehouse. It should be stored separately from oxidant. Keep dry. Fire fighting equipment of corresponding variety and quantity shall be provided. The storage area shall be equipped with leakage emergency treatment equipment and suitable storage materials

## Section 8. EXPOSURE CONTROLS, PERSONAL PROT

- **Max admissible concentration:** None.
- **Monitoring Methods:** None.
- **Engineering controls:** Keep ventilation and shower equipment near the workshop.
- **Respiratory protection:** Wear self absorption filter mask.
- **Eyes protection:** Wear protective goggles.
- **Body protection:** Wear working clothes.
- **Hands protection:** Wear gloves.
- **Other protection:** No smoking, dining and drinking water in the workplace.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical state:** Solid.
- **Odor:** No irritating odor.
- **Melting point/freezing point:** Not applicable.
- **Initial boiling point:** Not applicable.
- **Final boiling point:** Not applicable.
- **Distillation range:** Not applicable.
- **Flammability:** Not applicable.
- **Upper explosion limit:** Not applicable.
- **Lower explosion limit:** Not applicable.
- **Flash point:** Not applicable.
- **Spontaneous combustion temperature:** Spontaneous combustion will not occur.
- **Decomposition temperature:** Not applicable.
- **pH:** Not applicable.
- **Kinematic viscosity:** Not applicable
- **Solubility:** Insoluble in water.
- **Octanol water partition coefficient (logarithm):** Not applicable.
- **Vapor pressure:** Not applicable.
- **Relative density (water=1):** Not applicable.
- **Relative vapor density:** Not applicable

## Section 10. STABILITY AND REACTIVITY

- **Dangerous reaction:** None.
- **Stability:** Stable.
- **Contraindications:** Strong oxidants, strong acids, alkalis.
- **Conditions to avoid:** Strong oxidizer, corrosive material, fire source, heat source, moist air.
- **Decomposition products:** None.

## Section 11. TOXOLOGICAL/REGULATORY INFORMATION

- **Acute toxicity:** None.
- **Skin corrosion/irritation:** None.
- **Severe eye injury/irritation:** None.
- **Respiratory or skin sensitization:** None.
- **Germ cell mutagenicity:** None.
- **Mutagenicity:** None.
- **Reproductive toxicity:** None.
- **Specific target organ toxicity-single exposure:** None.
- **Specific target organ toxicity-repeated exposure:** None.
- **Inhalation hazard:** None.
- **Exposure route:**
  - Skin: No harm.
  - Eyes: No harm.
  - Inhalation: The gas discharged from the rupture may cause harm to human body.
  - Ingestion: Harmful to human body.

## Section 12. ECOLOGICAL INFORMATION

- **Eco toxicity:** No known significant effects or critical hazards
- **Persistence and degradability:** No data.
- **Biodegradable:** No data.
- **Non biodegradable:** No data.
- **Potential bioaccumulation:** No data.
- **Mobility in soil:** No data.
- **Other harmful effects:** No known significant effects or critical hazards.

## Section 13. DISPOSAL CONSIDERATIONS

- **Waste disposal method:** Refer to relevant national and local regulations before disposal. It can not be discarded at will. It needs to be recycled and disposed of qualified or certificated units. The spread of wastes or their entry into the soil should be avoided or minimized.

## Section 14. TRANSPORT INFORMATION

- **UN No.:** Not applicable.
- **Official shipping name:** No data.
- **Main hazard categories:** No data.
- **Package mark:** No data.
- **Package category:** No data.
- **Packing method:** No data.
- **Transportation precautions:** Transport containers should be preceded by check is complete, sealed during transportation to ensure that the container does not leak; do not fall, no damage. According to Regulations on the Transport of Dangerous Goods, International Maritime Dangerous Goods Rules (IMDG CODE 39-18), International Code for the Transport of Dangerous Goods by Air (IATA-DGR 60th). Agreement on the International Transport of Dangerous Goods by Road (ADR/RID), this sample is not dangerous goods transport control, belong to safety products.

## Section 15. REGULATORY INFORMATION

- **Regulatory information:** The following laws, regulations and standards have made corresponding regulations on the safe use, storage, transportation, loading and unloading, classification and marking of chemicals: Occupational Disease Prevention and Control Law of the People's Republic of China (2018 revision), Environmental Protection Law of the People's Republic of China (2015 revision), GB 12268-2012 List of Dangerous Goods, GB 6944-2012 Dangerous goods classification and article number, GB 15258-2009 General rules for preparation of precautionary label for chemicals.

## Section 16. ADDITIONAL INFORMATION

- **Other information:** The above information is compiled on the basis of accurate data, because this information may be applied or modified under circumstances beyond our control, and we do not bear any responsibility for this. The information provided in this safety data sheet is not guaranteed. This safety data sheet is prepared in accordance with the GHS, United Nations Recommendations on the transport of dangerous goods, IMDG, IATA, national standards and other relevant laws, regulations and standards for hazardous chemicals management. The above laws, regulations and standards will be updated and changed regularly. In order to make the dangerous goods/chemicals comply with the latest management requirements, it is recommended to regularly review and update the safety data sheet.

## ABBREVIATION

- ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- IMDG: International Maritime Dangerous Goods Rules
- IATA-DGR: International Air Transport Association-Dangerous Goods Regulation
- ICAO-TI: International Civil Aviation Organization
- EINECS: European Inventory of Existing Chemical Substances
- CAS: Chemical Abstract No
- LC50: Median lethal concentration
- LD50: Median lethal dose
- EC50: Median effective concentration

ITEM	ORDER CODE
CMP70/MP/3K	07278
CMP70/T6/930	06632
MH100/U/MED	15411
MH1000/U	49199
MH1000/U/BT37	49557
MH150/U/MED	15413
MH1500/U	49201
Westinghouse 37020 MH175/U	14927
MH175/U	49193
MH175/U/MED	15414
MH250/U	49195
MH320/U	81052
MH400/U	49197
MH400/U/ED28	49463
MH50/U/MED	49188
MH70/U/MED	15410
MHC100/U/MP/4K ELITE	12842
MP100/U/MED/4K	49514
MP250/BU/P	06683
MP400/BU/ED28/P	06479
MP70/U/MED/4K	49509