



SAFETY DATA SHEET

HALCO-MHL-SDS-1

Revision: 4/2020

Product: Metal Halide

Halco Metal Halide Lamps are exempt from the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) because they are classified as "articles". The OSHA Standard defined an article as something that: (1) is formed to a specific shape and design, (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (3) which under normal conditions of use does not release more than very small quantities or trace amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees.

The following information is provided as a courtesy to Halco's customers.

SECTION 1: MANUFACTURER AND CONTACT INFORMATION

Manufacturer's Name and Address: Halco Lighting Technologies
2940 Pacific Drive
Norcross, GA 30071
Telephone: 770-242-3609
Fax: 770-242-3615

SECTION 2: HAZARDOUS INGREDIENTS

These lamps contain the following materials:	(CAS #)
Inert Materials (glass, metal)	
Mercury	(7439-97-6)
Krypton (Kr85)	(13983-27-2)
Sodium Iodide	(7439-97-6)
Scandium iodide	(14474-33-0)

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

NOT APPLICABLE TO AN INTACT LAMP.

SECTION 4: FIRST-AID MEASURES

NO KNOW HEALTH HAZARDS FROM EXPOSURE TO AN INTACT LAMP

No adverse effect from occasional exposure to broken lamp. Exercise caution to avoid sustaining cuts from broken glass. Use proper First-Aid if a cut is sustained.

SECTION 5: FIRE AND EXPLOSION HAZARDS

Not applicable to an intact lamp. If subjected to extreme heat, the glass components of the lamp may crack or melt and the lamp may emit toxic fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

NO APPLICABLE INFORMATION AVAILABLE

SECTION 7: HANDLING AND STORAGE

Storage not applicable. Exercise caution when handling glass

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory Protection: None. An approved respirator use with large quantities of lamps are being broken for disposal.

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

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

NO APPLICABLE INFORMATION AVAILABLE

SECTION 10: STABILITY AND REACTIVITY

NO APPLICABLE INFORMATION AVAILABLE

SECTION 11: TOXICOLOGICAL INFORMATION

Glass

These lamps are composed of an inner quartz arc-tube enclosed in an outer envelope of heat resistant glass. Lamps that are coated have an inner layer of a diffusing material inside the outer envelope. The material used as a diffuser is a kaolin clay that is generally considered to be toxicologically a relatively inert material.

Arc Tube

The quartz arc tube contains a small amount of mercury, the amount of mercury included in the lamp increased with wattage. The arc tube also includes a small quantity of inert argon gas. In addition to these materials, there is a very small quantity of other materials used as an emission mix on the electrodes, there would be no significant exposure upon lamp breakage. Also contained in the arc tube are small quantities of sodium and scandium iodide, and in some cases thorium iodide. None of these materials are expected to be hazardous in the small quantities present in the arc tube. The end of the arc tubes may be coated with aluminum oxide, which is generally considered to have a low order of toxicity.

Metals

Internally, the support wires used in the lamp construction are made from nickel-coated iron or stainless steel. The electrodes are composed of tungsten. The base of the lamp may

NO SECTION 13: DISPOSAL CONSIDERATIONS(NON-MANDATORY)

State or local regulations regulates disposal of mercury vapor lamps. All mercury vapor lamps contain some amount of mercury. When a mercury vapor lamp is to be disposed, it is subject to the current EPA Toxicity Characteristic Leaching Procedure (TCLP) disposal criteria. All disposal options should be evaluated with respect to federal, state, and local requirements.