

MSDS: B9487

ITEM: 2YGD5 - Metal Halide Lamp ED17 70W

ORDER: 0130705243

LP NUMBER: UC08203503

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

TUBE IS ALUMINUM OXIDE, A MATERIAL GENERALLY CONSIDERED TO HAVE A LOW ORDER OF TOXICITY. #####

Associated Grainger Items
ITEMS: C251, 1C263, 1C279, 1C344, 1C347, 1C854, 1E099, 1E279, 1E637, 1E639
INTERNAL AND EXTERNAL WIRES ARE IN THE SAME CONNECTIONS AS THEY WERE FROM 78, IF
NICKEL-COATED IRON OR STAINLESS STEEL WHILE THE ELECTRODES ARE TUNGSTEN. IF 348,
MANY OF THE METAL HALIDE TYPES WILL USE A BRASS BAND AND HAVE LEAD-SOLDERED TO
CONNECTIONS TO THAT BASE.

2DZW9, 2DZX1, 2DZX2, 2DZX3, 2DZX4, 2DZX5, 2DZX6, 1TU4
2DZX
GETTERS 2F109, 2F111, 2F192, 2F196, 2F202, 2F942, 2F944, 2F968, 2F970, 2PB27
GETTERS 2F109, 2F111, 2F192, 2F196, 2F202, 2F942, 2F944, 2F968, 2F970, 2PB27
THE LAMP. QUARTZ METAL HALIDE LAMPS TYPICALLY USE EITHER, ZIRCONIUM 2XK1, 2
ALUMINUM OR BARIUM PEROXIDE GETTERS. THESE GETTERS ARE IN SOLID FORM AND
DO NOT PRESENT AN EXPOSURE RISK ON INTACT OR BROKEN LAMPS.

3DXTS, 3JJ92, 3JJ96, 3
 CAGE; 4PL05, 4PL06, 4PL07, 4PL08, 4V484, 4V516, 4V518, 4V550, 4V561, 4V565
 THE OUTSIDE OF THE CAGE, WITH ARGON, AGINO, SGINI, 5HB
 SUB-ATMOSPHERIC PRESSURE. ARGON IS A STABLE, CHEMICALLY INERT GAS, 5HB79, 5HB
 5XN59, 5XN60, 5XN61, 5XN64, 5XN65, 5XP29, 5XP46, 5XP47, 5XP48, 6V630, 6V698
 6V699, 6V746, 6V747, 6V748, 6V749, 6V750, 6V751, 6V752, 6V753, 6V754, 6V755, 6V756, 6V757

6V75

MEKZU7RY6XMP6SUNVE2 6XVZ8, 6XV41, 6V751

THE AIR CONCENTRATION OF MERCURY RESULTING FROM THE BRAKAGE OF ONE OR A SMALL NUMBER OF LAMPS SHOULD RESULT IN NO SIGNIFICANT EXPOSURE TO THE WATERIA INDIVIDUAL. HOWEVER, IF BREAKING A LARGE NUMBER OF LAMPS FOR DISPOSAL, APPROPRIATE MONITORING, CONTROLS, AND EQUIPMENT SHOULD BE IMPLEMENTED (S) CONTROL AIRBORNE MERCURY AND DUST LEVELS OR SURFACE CONTAMINATION. SUCH WORK SHALL BE DONE IN A WELL-VENTILATED AREA, AND LOCAL EXHAUST VENTILATION OR PERSONAL PROTECTIVE EQUIPMENT MAY BE NEEDED. COMPLY WITH ALL, GE CONSU APPLICABLE REGULATIONS.

INFORMATION AND PRECAUTIONS:
THE QUARTZ ARC TUBE, WHEN OPERATED AT THE RECOMMENDED TEMPERATURES, EMITS
ULTRAVIOLET RADIATION. THE UV IS FILTERED TO ACCEPTABLE LEVELS BY THE GLASSY AN
OUTER ENVELOPE DURING NORMAL USE. HOWEVER, IF THE OUTER ENVELOPE IS BROKEN, CFM
THE UV FILTERING IS LOST.

REGULATION.
LAMP
LAMPS HAVING ORDERING CODES BEGINNING WITH THE LETTERS "MVR", "MPR" OR
"MXR" HAVE THE FOLLOWING R-WARNING NOTICE REQUIRED UNDER FEDERAL REGULATION
21 CFR 1040.30: INTERI

WARNING: INFORMATION IS PROVIDED AS A COURTESY SERVICE TO OUR
THIS LAMP CAN CAUSE SERIOUS BURN INJURY AND HYDROGEN FLAME FROM HIGHLY VOLATILE
ULTRAVIOLET RADIATION IF OUTER ENVELOPE OF THE LAMP IS BROKEN OR PUNCTURED. MATERIAL
DO NOT USE WHERE PEOPLE WILL REMAIN FOR MORE THAN A FEW MINUTES UNLESS
ADEQUATE SHIELDING OR OTHER SAFETY PRECAUTIONS ARE USED. LAMPS THAT WILL
AUTOMATICALLY EXTINGUISH WHEN THE OUTER ENVELOPE IS BROKEN OR PUNCTURED ARE
COMMERCIALY AVAILABLE.

GE QUARTZ METAL HALIDE LAMPS - QMH:
 INVESTIGATION METHODS: COMPLY WITH IES AND IECXON PERFORMANCE STANDARDS, 21
 CFR SUBCHAPTER J.

GE CONSUMER & INDUSTRIAL - LIGHTING

NELA PARK

CANXEAANDOROH043812

THE SELF-EXTINGUISHING METAL HALIDE LAMPS REFERRED TO ABOVE HAVE ORDER CODES BEGINNING WITH THE LETTERS "MVT." IF THE OUTER GLASS ENVELOPE OF A SAF-T-GARD LAMP IS BROKEN, ALTHOUGH THE ARC TUBE WILL HAVE SELF-EXTINGUISHED, ITS SUPPORT STRUCTURE WILL STILL BE ELECTRICALLY CONNECTED AND COULD PRESENT AN ELECTRICAL SHOCK HAZARD. THEREFORE, REGARDLESS OF THE TYPE, IF THE OUTER ENVELOPE OF THE LAMP IS BROKEN, THE POWER OFF BEFORE REPLACING THE LAMPS.

FOR ADDITIONAL INFORMATION ON THE USE OF OUR PRODUCTS, VISIT THE "MVT" A WEBSITE FOR MORE INFORMATION: [HTTP://WWW.FDA.GOV/CDRH/RADHEATHPRODUCTS/ERPRODUCTS.HTM](http://www.fda.gov/cdrh/radheathproducts/erproducts.htm)

PHOSPHOR:
~~THE PHOSPHOR USED ON THE INSULATED AND PROTECTIVE OUTER ENVELOPE OF COATED~~

WARNING: COMPOUNDS, IS RELATIVELY INSOLUBLE, AND APPEARS TO HAVE A MUCH UNEXPECTEDLY SHORT LIFE. IT IS NOT RECOMMENDED FOR USE IN LAMP BEYOND REPUTED LIFE AND ADHERE TO ALL APPLICABLE CAUTION AND WARNING SYM-
NOTICES. TO FURTHER REDUCE THE POSSIBILITY OF RUPTURE, TURN LAMP OFF AT
LEAST ONCE FOR 15 MINUTES PER WEEK.

AN BREATHING APPARATUS. IRRITATION OF THE NASAL PASSAGES AND RESPIRATORY TRACT. THE DISCHARGE OF GLASS FRAGMENTS AND EXTREMELY HOT QUARTZ PARTICLES (AS HIGH AS 1100 DEG. C). THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, AND ENVIRONMENTAL DAMAGE.

THE PHOSPHOR USED ON SOME LAMPS MAY ALSO CONTAIN THE ADDITION OF A SMALL AMOUNT OF ARSENIC TO IMPROVE COLOR RENDERING INDEX. ARSENIC IS A POISONOUS MATERIAL.

HTTP://WWW.GELIGHTING.COM/

THE INFORMATION DANCED ON THIS APPLICATION AND "MR O'CAHARTS METAL HALIDE BUREAU" IS
AVAILABLE FROM NEMA DOCUMENT LSD 25, BEST PRACTICES FOR METAL HALIDE KAOLI
LIGHTING SYSTEM, PLUS QUESTIONS AND ANSWERS ABOUT LAMP RUPTURES IN METALHESSE IN
HALIDE LIGHTING SYSTEMS. LSD 25 MAY BE VIEWED ONLINE AT RELATIV
[HTTP://WWW.NEMA.ORG/](http://www.nema.org/)

ARC TUBE:
THE QUARTZ ARC TUBE CONTAINS A SMALL AMOUNT OF MERCURY, RANGING FROM LESS THAN 5 MILLIGRAMS IN LOW WATTAGE DESKTOP CONCERNS 5 MG IN A 1500 WATT LAMP.

ACEPHAL GAS. ARGON IS A STABLE, CHEMICALLY INERT GAS. A FEW LAMP TYPES MAY
A TOXICITY HAZARD. NEARLY ALL QUANTITIES OF MERCURY IN THESE CONTAINERS CONSIDERED NON-TOXIC.
LAMP FOR LEAD OR MERCURY COULD CAUSE THE LAMP TO BE CLASSIFIED AS A KRYPTON
HAZARDOUS WASTE. METAL HALIDE LAMPS USE LEAD SOLDER ON THE LAMP BASE AND/OR
THE ARC TUBE. THE LEAD SOLDER OR MERCURY VAPOR SHOULD POSITIVELY OCCUR
LITTLE RISK EXPOSED UNDER NORMAL USE AND HANDLING. WHILE SMALL NUMBERS
OF THESE LAMPS ARE FOUND IN THE ORDINARY HOUSEHOLD TRASH SHOULD NOT STARTI
APPRECIABLY AFFECT THE NATURE OR METHOD OF DISPOSAL OF THE TRASH IN MOST
STATES, UNDER SOME CIRCUMSTANCES DISCARDING OF THESE LAMPS IS REGULATED. MEREK
BUSINESSMEN IN THE UNITED STATES MANAGE THESE LAMPS AS UNIVERSAL WASTES. YOU
SHOULD REVIEW YOUR WASTE HANDLING PRACTICES TO ASSURE THAT YOU DISPOSE OF ALSO
WASTE LAMPS PROPERLY.

PLASMA DISCHARGE CREATES THE "WHITE LIGHT" OF QM LAMPS. T
SOME STATES REQUIRE A CANCELLATION OF A NUCLEAR POWER LICENSE TO OBTAIN A QM LICENSE. CHECK STATE ENVIRONMENTAL DEPARTMENT FOR ANY REGULATIONS THAT MAY APPLY. QUANTUM
CHECK STATE REGULATIONS OR TO LOCATE A RECYCLER, GO TO QUANTUM

QUARTZ METAL HALIDE LAMPS - LMIS

MARCH 2009 - SUPERSEDES AUGUST 2004

GE2014-9281