

MPD INC. -- 7077 ELECTRON-VACUUM TUBE -- 5960-00-688-6706

===== Product Identification =====

Product ID:7077 ELECTRON-VACUUM TUBE

MSDS Date:08/15/1990

FSC:5960

NIIN:00-688-6706

MSDS Number: BFLTY

=== Responsible Party ===

Company Name:MPD INC.

Address:316 E 9TH ST

City:OWENSBORO

State:KY

ZIP:42301-2312

Country:US

Info Phone Num:502-685-6200

Emergency Phone Num:502-685-6200

CAGE:LO825

=== Contracto

r Identification ===

Company Name:MPD INC.

Address:316 E 9TH ST

Box:City:OWENSBORO

State:KY

ZIP:42301-2312

Country:US

Phone:502-685-6200

CAGE:LO825

Company Name:MPD INC.(FORMERLY GENERAL ELECTRIC CO)

Address:316 E 9TH STREET

City:OWENSBORO

State:KY

ZIP:42303-2312

Country:US

Phone:502-685-6200

CAGE:33173

===== Composition/Information on Ingredients =====

Ingred Name:RHENIUM 187

Fraction by Wt: 1.89%

Other REC Limits:NONE SPECIFIED

Ingred Name:RHENIUM 187 EMITS 0.008 MEV BETA

PARTICLES.

TUNGSTEN-RHENIUM ALLOY HAS SPECIFIC ACTIVITY OF 0.00008  
MICROCURI/GRAM.

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ELECTRON VACUUM TUBES OPERATE AT HIGH  
TEMPERATURES THAT MAY CAUSE MINOR HEAT RELATED BURNS TO SKIN IF  
CONTACT IS MADE.

Effects of Overexpos

ure:MINOR HEAT RELATED BURNS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:NO EMERGENCY CARE ANTICIPATED.

===== Fire Fighting Measures =====

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE  
FOR SURROUNDING FIRE.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:ELECTRON VACUUM TUBES OPERATE UNDER  
HIGH  
VACUUM AND IMPLOSION COULD OCCUR AT HIGH TEMPERATURE.

===== Accidental Release Measures =====

Spill Release Procedures:HANDLE BROKEN TUBES WITH GLOVES AND FORCEPS.  
WEAR PROTECTIVE CLOTHING.

===== Handling and Storage =====

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory

Protection:NONE SPECIFIED BY MANUFACTURER. ISE GAS MASK.  
Protective Gloves:COTTON  
Eye Protection:SAFETY GLASSES  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
TUBE CONTAINS RADIOACTIVE RHENIUM-187. MAXIMUM POSSIBLE ACTIVITY PER  
ARTICLE IS 0.00000046 MICROCURIE. THESE ARTICLES ARE EXCEPTED FROM  
RADIOACTIVE LABELING AND NOTIFICATION REQUIREMENTS PER DAC #88-1 4,  
252, 223-7005, MIL-STD-129  
, ICC ATA-111.1, 173.422, AND  
MIL-HBDK-6000.

===== Physical/Chemical Properties =====

HCC:A2  
Appearance and Odor:WHITE CERAMIC AND GOLD METAL. NO ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
NONE  
Hazardous Decomposition Products:NONE

===== Disposal Considerations =====

Waste Disposal Methods:BROKEN OR SPENT TUBES SHOULD BE DISPOSED OF AS  
SPECIFIED IN P  
ARAGRAPH 20.301,10CFR PART 20,CODE OF FEDERAL  
REGULATIONS.IF PROPER DISPOSAL PRESENTS A PROBLEM,RETURN TO  
MANUFACTURER.COMPLY WITH APPLICABLE FEDERAL,STATE AND LOCAL  
ENVIRONMENTAL REGULATIONS

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