

MPD INC.(FORMERLY GENERAL ELECTRIC CO) -- ELECTRON VACUUM TUBES -- 5960-00-062-4894

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

Product ID:ELECTRON VACUUM TUBES

MSDS Date:03/15/1994

FSC:5960

NIIN:00-062-4894

MSDS Number: CCLMS

=== Responsible Party ===

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

Address:316 E 9TH STREET

City:OWENSBORO

State:KY

ZIP:42301-2312

Country:US

Info Phone Num:502-685-6200

Emergency Phone Num:502-685-6200

CAGE:33173

=== Contractor Identification ===

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 (COMPOSITION OF INTERNAL HEATER WIRE FILAMENTS)  
(SPEC ACTIVITY 0.00445MICROCURIE/GRAM).

Fraction by Wt: 2%

Other REC Limits:NONE RECOMMENDED

Ingred Name:TUNGSTEN INC  
LUDING INGRED #3. (NOT RADIOACTIVE)

CAS:7440-33-7

RTECS #:YO7175000

Fraction by Wt: BALANCE

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:RHENIUM 185 INCLUDING INGREDIENTS #2 (NOT RADIOACTIVE).

Fraction by Wt: SEE #2%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:NO IARC

:NO OSHA:NO

Health Hazards Acute and Chronic:MAY CAUSE MINOR SKIN BURNS. ELECTRON TUBES OPERATE @TEMP THAT CAN PRODUCE BURNS TO SKIN IF CONTACT IS MADE.

Effects of Overexposure:ELECTRONG TUBES OPERATE @TEMPS THAT CAN PRODUCE BURNS TO SKIN IF CONTACT IS MADE.

Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:NO EMERGENCY CAR ANTICIPATED.

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:MATERIAL IS NON-FLAMMABLE.

Fire Fighting Procedures:NONE.

Unusual Fire/Explosion Hazard:ELECTRON TUBES OPERATE UNDER HIGH VACUUM & IMPLOSION COULD OCCUR @HIGH TEMP DURING FIRES OR DURING DISPOSAL PROCEDURES.

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

Spill Release Procedures:NONE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE

Other Precautions:CALCULATED SPECIFIC ACTIVITY OF FILAMENT IS 0.000089MICROCURIE/GRAM.IF VIEWED FROM TOTAL MASS THE TUBE ITSELF WOULD HAVE EVEN LOWER SPECIFIC ACTIVITY.MILHBDK 600 SPECIFIES MATL CONSIDERED RADIOACTIVE, IONIZING RADIATION MUST EXCEED (SUPPLEM)

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

Respiratory Protection:NONE

Ventilation:NONE

Protective Gloves:COTTON.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:NONE

Work Hygienic Practices:NONE

Supplemental Safety and Health

OTHER PRECAUT:0.002MICROCURIE/GRAM;THEREFORE PRODUCT NOT RADIOACTIVE &  
THEREFORE NOT HAZARDOUS.

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

HCC:A2

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:NP

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in

Water:NONE.

Appearance and Odor:GLASS ENVELOPE, NO ODOR.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

NONE.

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
FED/STATE/LOC REGULATIONS.

Disclaimer (provided with this  
information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.