

RAYTHEON CO MICROWAVE & POWER TUBE DIVISION -- ELCTRON TUBE, 2J51A --
5960-00-636-0370

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

Product ID:ELCTRON TUBE, 2J51A
MSDS Date:09/12/1990
FSC:5960
NIIN:00-636-0370
MSDS Number: BNBRT
=== Responsible Party ===
Company Name:RAYTHEON CO MICROWAVE & POWER TUBE DIVISION
Address:465 CENTRE ST
City:QUINCY
State:MA
ZIP:02169-7530
Country:US
CAGE:94144
=== Contractor Identification ===
Company Name:RAYTHEON CO MICROWAVE & POWER TUBE
DIVISION
Address:465 CENTRE ST
Box:City:QUINCY
State:MA
ZIP:02169-7530
Country:US
Phone:617-984-8400
CAGE:94144

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

Ingred Name:NON HAZARDOUS INGREDIENT, THIS PRODUCT IS CONSIDERED AN
ARTICLE AS DEFINED IN 29 CFR 1910.1200(B).
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and
Chronic:NA
Explanation of Carcinogenicity:NA
Effects of Overexposure:NA
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:NA

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

Flash Point:NA
Autoignition Temp:Autoignition Temp Text:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:AS APPROPRIATE FOR ELECTRICAL EQUIPMENT.
Fire Fighting Procedures:AS APPROPRIATE FOR ELECTRICAL

EQUIPMENT.

Unusual Fire/Explosion Hazard:NA

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

Spill Release Procedures:NA

Neutralizing Agent:NA

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

Handling and Storage Precautions:CAUTION: THIS IS A HIGH VOLTAGE ELECTRICAL DEVICE REQUIRING PROPER ELECTRICAL HAZARD CONTROL PROCEDURES FOR SAFE INSTALLATION, USE, SERVICE OR REPAIR.

Other Precautions:RETURN TUBE TO MANUFACTURER FOR SERVICE OR REPAIR.
T

HIS DEVICE MUST BE USED TO THE APPROVAL OF THE USER'S ELECTROMAGNETIC ENERGY EXPOSURE CONTROL PROGRAM. ELECTRON TUBE 2J51A CONTAINS NO RADIOACTIVE MATERIALS.

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

Respiratory Protection:NA

Ventilation:NA

Protective Gloves:NA

Eye Protection:NA

Other Protective Equipment:NA

Work Hygienic Practices:NEVER LOOK INTO AN OPEN WAVEGUIDE OR ANTENNA WHILE THE DEVICE IS ENERGIZED.

Supplemental Safety and Health

PERSONNEL COULD BE

EXPOSED TO ELECTROMAGNETIC RADIATION WHICH MAY RESULT FROM THIS DEVICE IF IMPROPERLY USED OR CONNECTED. ALL INPUT & OUTPUT CONNECTIONS, WAVEGUIDE FLANGES & GASKETS MUST BE LEAKPROOF . NEVER OPERATE THIS DEVICE WITHOUT A MICROWAVE ENERGY ABSORBING LOAD ATTACHED.

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

HCC:N1

Boiling Pt:B.P. Text:NA

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

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

pH:NA

Viscosity:NA

Evaporation Rate &

Reference:NA
Solubility in Water:NA
Appearance and Odor:NA
Percent Volatiles by Volume:NA
Corrosion Rate:NA

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

NA
Stability Condition to Avoid:NA
Hazardous Decomposition Products:NA

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

Waste Disposal Methods:NA

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.