

VICTOREEN INC -- PN:GV3A1200 SPARK GAPS;COROTRON TUBES -- 5960-00-878-6554

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Product Identification  
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Product ID:PN:GV3A1200 SPARK GAPS;COROTRON TUBES

MSDS Date:10/08/1991

FSC:5960

NIIN:00-878-6554

MSDS Number: BFTMX

=== Responsible Party ===

Company Name:VICTOREEN INC

Address:6000 COCHRAN RD

City:SOLOON

State:OH

ZIP:44139-3395

Country:US

Info Phone Num:216-248-9300

Emergency Phone Num:216

-248-9300

Preparer's Name:ROBERT A. JUCIUS

CAGE:63060

=== Contractor Identification ===

Company Name:VICTOREEN INC

Address:6000 COCHRAN RD

Box:City:SOLOON

State:OH

ZIP:44139-3395

Country:US

Phone:216-248-9300

CAGE:63060

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Composition/Information on Ingredients  
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Ingred Name:NICKEL 63, DEVICES CONTAINING QUANT OF RADIOACTIVE  
NICKEL-63,NORMAL-SOLID.

Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixt

ure:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:METAL PRODUCTS IN NATURAL STATE DON'T PRESENT INHAL/INGEST/CONTACT HAZ.HOWEVER OPERATIONS SUCH AS BURN/WELD/SAW/BRAZE/FRIND MAY RELEASE FUMES/DUSTS WHICH MAY PRESENT HEALTH HAZ IF TLV EXCEEDED.RADIOACTIVE MATL IN DEVICES REPRESENT NO SIGNIFICANT RISK.MAJOR EXPO HAZ:INHAL.

Effects of Overexposure:BECAUSE OF AMT OF NICKEL-63 CONTAINED IN DEVICES THIS SECTION IS NOT APPLICABLE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:NONE SPECIFIED BY MANUFACTURER. HMIS:FOLLOW AMERICAN RED CROSS 1ST AID.

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

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:USE METHODS APPLICABLE TO SURROUNDING AREA.

Fire Fighting Procedures:NICKEL-63 IN SOLID STATE PRESENT NO FIRE OR EXPLO HAZARD.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:NOT APPLICABLE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:MAX PERMISSIBLE AIR CONCEN (BASED ON 40HR WORKING WK)=3E-7 MICROCURIES/ML LITER OF AIR.

Other Precautions:ALL TUBES CONTAIN EXEMPT QUANT OF NI63 AS DEFINED BY USNRC.BETA RAY ENERGY-67KEV,GAMMA RAYS-NONE,BETA RAY RANGE IN AIR-ABOUT 5CM(2INCHES)."PKG CONFORMS TO CONDITIONS/LIMITATIONS SPEC IN 49CFR173.422 F OR EXCEPTED RADIOACTIVE MATL,(SUPPLE)

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

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

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OTHER PRECAUT:INSTRUMENTS,ARTICLES,UN2910.

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

HCC:A2  
NRC/State Lic Num:34-25957-01  
Boiling Pt:B.P. Text:NP  
Melt/Freeze Pt:M.P/F.P Text:>2300F,>126  
Decomp Temp:Decomp Text:NP  
Vapor Pres:NA  
Vapor Density:NP  
Spec Gravity:7  
pH:NP  
Viscosity:NP  
Evaporation Rate & Reference:NP  
Solubility in Water:NEGLIGIBLE.  
Appearance and Odor:SOLID,GRAYISH TO BLACK PLAITING ON ANODE(S) OF  
DEVICES LISTED.  
Percent Volatiles by Volume:NP  
Corro  
sion Rate:NP

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

Stability Indicator/Materials to Avoid:YES  
REACTS W/STRONG ACID TO HYDROGEN GAS.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:METALLIC DUST/FUMES MAY BE PRODUCED  
DURING WELD/BURN/GRIND/POSSIBLY/MACHINING.REFER TO ANSI Z49.1.

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

Waste Disposal Methods:NI-63 ACTIVITY PER DEVICE 0.05 TO 0.0  
MICR  
OCURIES.ACCORDING TO LOCAL, STATE AND FEDERAL  
REGULATIONS.DEVICES CONTAINING QUANT OF RADIOACTIVE  
NICKEL-63,NORMAL-SOLID.DISPO INFOR:NOT APPLICBLE-EXEMPT QUAN T.

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