View NSN Online: https://aerobasegroup.kr/nsn/5840-01-217-2470 VICTOREEN INC -- SPARK GAP -- 5840-01-217-2470 Product ID:SPARK GAP MSDS Date:10/08/1991 FSC:5840 NIIN:01-217-2470 MSDS Number: CCSWN === Responsible Party === Company Name: VICTOREEN INC Address:6000 COCHRAN RD City:SOLON 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:SOLON State:OH ZIP:44139-3395 Country:US Phone:216-248-9300 CAGE:63060 ======= Composition/Information on Ingredients ======== Ingred Name:NICKEL-63 CAS:7440-02-0 Other REC Limits: NONE RECOMMENDED LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogen

icity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: METAL PRODUCTS IN THE NATURAL STATE DO NOT PRESENT AN INHALATION, INGESTION OR CONTACT HAZARD; HOWEVER, SUCH OPERATIONS SUCH AS BURNING, SAWING, BRAZING & GRINDING MAY RELEASE FUMES/DUSTS WHICH MAY PR ESENT HEALTH HAZARDS IF TLVS EXCEEDED. THE RADIOACTIVEMATERIAL IN THE DEVICES REPRESENT NO SIGNIFIGANT RISK. Explanation of Carcinogenicity: NONE SPECIFIED BY MANUFACTURER. Effects of Overexposure:BECAUSE OF THE AMO UNT OF NICKEL-63 CONTAINED IN THE DEVICES THIS SECTION IS NOT APPLICABLE. Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER. First Aid:NOT APPLICABLE. ============ Fire Fighting Measures ========================= Extinguishing Media: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. Fire Fighting Procedures: NICKEL-63 IN THE SOLID STATE PRESENTS NO FIRE OR EXPLOSION HAZARD. Unusual Fire/Explosion Haz ard:NONE SPECIFIED BY MANUFACTURER. ======== Accidental Release Measures ============ Spill Release Procedures: NOT APPLICABLE. Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER. ============= Handling and Storage ========================== Handling and Storage Precautions: NONE SPECIFIED BY MANUFACTURER. Other Precautions: ALL TUBES CONTAIN AN EXEMPT QUANTITIY OF NI-63 AS DEFINED BY USNRC. PHYSICAL DATA:BETA RAY ENERGY-67 KEV;GAMMA RAYS-NONE; BETA RAY RANGE IN AI R-ABOUT 5 CM (2 INCHES).THE MICROCURIE AMOUNTS OF NI-63 REP RESENT AN INSIGNIFIGANT EXTERNAL HAZARD.

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

Respiratory Protection: NONE NORMALLY REQUIRED.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

THE RADIOACTIVE MATERIAL IS CONTAINED IN AN INERT SEALED VESSEL TO OBVIATE EXTERNAL OR INTERNAL HAZARDS. THE ALLOWABLE EXPOSURE LIMITS FOR NI-63 ARE OVER 1000 TIMES THE MATERIAL C

ONTAINED IN ONE OF THE
DEVICES. THE CRITICAL ORGAN FOR NI-63IS THE BONE. THE ELIMINATION
RATE IS 800 DAY HALF-LIFE BY ELIMINATION THRU URINE

	Ph	ysical/Chemical Properties	
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HCC:A2

Melt/Freeze Pt:M.P/F.P Text:2300F,1260C

Spec Gravity:7

Solubility in Water: NEGLIGIBLE

Appearance and Odor: GRAYISH TO BLACK PLATING ON ELECTRONIC DEVICE.

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

Stability Indicator/Materials to Avoid:YES

NI-63

REACTS WITH STRONG MINERAL ACIDS TO FORM HYDROGEN GAS.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:METALLIC DUSTS/FUMES MAY BE PRODUCED DURING WELDING, BURNING, GRINDING & POSSIBLY MACHING. REFER TO ANSI Z49.1.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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