

SHELLER-GLOBE CORP,VICTOREEN INSTRUMENT DIV -- 5841 -- 5960-00-262-0213

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

Product ID:5841

MSDS Date:10/08/1991

FSC:5960

NIIN:00-262-0213

MSDS Number: BDPVF

=== Responsible Party ===

Company Name:SHELLER-GLOBE CORP,VICTOREEN INSTRUMENT DIV

Address:6000 COCHRAN RD

City:CLEVELAND

State:OH

ZIP:44139-3395

Country:US

Info Phone Num:216-248-9300

Emergency Phone Num:216-2

48-9300

Preparer's Name:ROBERT A. JUCIUS

CAGE:JO931

=== Contractor Identification ===

Company Name:SHELLER-GLOBE CORP,VICTOREEN INSTRUMENT DIV.

Address:6000 COCHRAN RD

Box:City:CLEVELAND

State:OH

ZIP:44139-3395

Country:US

CAGE:JO931

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

OSHA PEL:1 MG/M3 (NI DUST)

ACGIH TLV:0.05 M

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 158 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: IRRITATION OF MUCOUS MEMBRANES.
EYES- IRRITATION. SKIN- DEMATITIS. INGESTION- STOMACH AND GI TRACT
DISTRESS. CHRONIC: SKIN- DERMATITIS.
Explanation of Carcinogenicity:IARC AND EPA LIST NICKEL METAL AS A

CARCINOGEN. THE NTP LISTS IT AS AN ANTICIPATED CARCINOGEN.
Effects of Overexposure:INHALATION: COUGHING. EYES: ITCHING, TEARING.
SKIN: RASH, ITCHING. INGESTION: NAUSEA, VOMITING.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN CONDITIONS MAY BE
AGGRAVATED BY OVEREXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH WITH PLENTY OF
WATER FOR SEVERAL MINUTES. SKIN: WASH WITH SOAP AND WATER.
ING
ESTION: GIVE SEVERAL GLASSES OF WATER. SEE DOCTOR. IF ANY
SYMPTOMS PERSIST SEE DOCTOR.

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

Extinguishing Media:USE EXTINGUISHING AGENT SUITABLE FOR SURROUNDING
FIRE.
Fire Fighting Procedures:WEAR FULL PROTECTIVE GEAR WITH SELF-CONTAINED
BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER. CONTAINS
A SMALL AMOUNT OF RADIOACTIVE MATERIAL.

=====
===== Accidental Release Measure

S =====

Spill Release Procedures:ISOLATE AREA. HANDLE BROKEN DEVICE WITH GLOVES
AND FORCEPS. PLACE IN SEGREGATED CONTAINER FOR DISPOSAL. WIPE ANY
RESIDUE UP WITH A DAMP SPONGE OR MOP. PLACE MOP HEAD OR SPONGE IN
CONTAINER. CONTACT LO CAL ENVIRONMENTAL MANAGER.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:SHIELD ACCORDING TO EMITTED RADIATION.
PROTECT FROM FILM/FILM PLATES. KEEP CONTAI

NEEDS CLOSED. STORE IN
AREA FOR RADIOACTIVE MATERIALS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED
RESPIRATOR FOR RADIONUCLIDES (HEPA) IF TUBE HAS RUPTURED OR
BROKEN.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:RUBBER, NATURAL RUBBER

Eye Protection:SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION. APRONS. IMPERVIOUS
CLOTHING.

Work Hygienic Practices:US

E GOOD PERSONAL HYGENE AFTER USE. DO NOT EAT
DRINK, OR SMOKE IN WORK AREA.

Supplemental Safety and Health

DUE TO SMALL AMOUNT OF RADIOACTIVE MATERIAL IN EACH TUBE RADIATION
HAZARD FROM INTACT TUBES IS MINIMAL. ADDITIONAL RISK FROM RUPTURED
TUBE IS SMALL AND EASILY DIMINISHED BY USE OF PROTECTIVE CLOTHING
DURING CLEAN-UP.

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

HCC:A2

NRC/State Lic Num:34-25957-01

Melt/Freeze Pt:M.P/F.P Text:>2300F,>126

Spec Gravity

:7

Solubility in Water:NEGLIGIBLE

Appearance and Odor:GRAY TO BLACK SOLID AS PLATING ON ELECTRON TUBE
ANODES

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

Stability Indicator/Materials to Avoid:YES

STRONG MINERAL ACIDS

Stability Condition to Avoid:HIGH TEMPERATURES, WELDING, BURNING,
GRINDING AND MACHINING

Hazardous Decomposition Products:METALLIC DUST/FUMES FROM MACHING
OPERATIONS OR BURNING

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

Waste Disposal Methods:DISPOSAL MUST BE MADE IN A LISCENSED RADIOACTIVE DISPOSAL SITE. CONTACT LOCAL ENVIRONMENTAL MANAGER. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL 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 liab

ility 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.