

NRD INC, SUB OF MARK IV INDUSTRIES INC -- IONIZATION SEALED SOURCE -- 6350-00-937-3144  
===== Product Identification =====

Product ID:IONIZATION SEALED SOURCE

MSDS Date:08/07/1986

FSC:6350

NIIN:00-937-3144

MSDS Number: BLWGM

=== Responsible Party ===

Company Name:NRD INC, SUB OF MARK IV INDUSTRIES INC

Address:2937 ALT BLVD N

City:GRAND ISLAND

State:NY

ZIP:14072-1220

Country:US

Info Phone Num:716-77

3-7634

Emergency Phone Num:716-773-7634

CAGE:5K923

=== Contractor Identification ===

Company Name:NRD INC, SUB OF MARK IV INDUSTRIES INC

Address:2937 ALT BLVD N

Box:City:GRAND ISLAND

State:NY

ZIP:14072-1220

Country:US

CAGE:5K923

Company Name:PYROTRONICS DIV OF BAKER INDUSTRIES INC

Address:918 N OAKLAWN AVE

Box:City:ELMHURST

State:IL

ZIP:60126-1015

Country:US

Phone:708-279-0133

CAGE:05351

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

Ingred Name:SILVER (SARA III)

CAS:744

0-22-4  
RTECS #:VW3500000  
Fraction by Wt: 90%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.01 MG/M3  
ACGIH TLV:0.1 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:GOLD  
CAS:7400-57-5  
RTECS #:MD5070000  
Fraction by Wt: 5%  
Other REC Limits:NONE SPECIFIED

Ingred Name:GOLD, METALLIC COATING  
CAS:7400-57-5  
RTECS #:MD5070000  
Fraction by Wt: 5%  
Other REC Limits:NONE SPECIFIED

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:UNDER THE MOST IMPROBABLE AND  
HYPOTHETICAL CONDITION, A PERSON LOCATED ONE METER FROM THE SOURCE  
FOR 1 YEAR, THE MAX EXPOSURE DOSE WOULD BE LESS THAN 0.5 MREM.  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Overexposure:NONE  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MAN  
UFACTURER.

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

First Aid:NONE

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

Spill Release Procedures:IF THE DEVICE, WITH RADIOACTIVE SEALED SOURCE,  
IS DAMAGED IT SHOULD BE HANDLED ACCORDING WITH THE INSTRUCTIONS  
SUPPLIED WITH THIS DEVICE.

=====  
Handling and Storage  
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Handling and Storage Precautions:STRICTLY ADHERE TO THE MANUFACTURERS  
"IMPORTANT SAFEGUA

RDS, AND INSTRUCTION LABEL, ON THE UNIT."

Other Precautions:NONE

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

Respiratory Protection:NONE REQUIRED.

Ventilation:GENERAL ENVIRONMENT.

Protective Gloves:NONE, UNDER NORMAL CONDITIONS.

Eye Protection:NONE.

Other Protective Equipment:NONE REQUIRED.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

THE RADIOACTIVE NUCLIDE (AM-241) IN METALLIC MATRIX, IS FORMED INTO IONIZATION FOIL. THEN T

HIS FOIL IS COATED WITH GOLD, WHICH MAKES UP

THE SEALED IONIZATION SOURCE, USED ON VARIOUS IONIZATION DEVICES .

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

HCC:A2

Spec Gravity:11

Solubility in Water:INSOLUBLE

Percent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES

"AQUA RIGIA" AND OTHER RELATED ACIDS.

Stability Condition to Avoid:PHYSICAL ABUSE AND DISASSEMBLY OR THE THE  
U

NIT.

Hazardous Decomposition Products:AMERICIUM DIOXIDE.

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

Waste Disposal Methods:UNDER NO CIRCUMSTANCES SHOULD THE DEVICE BE  
DISPOSED AT PUBLIC DISPOSAL SPOTS. IT MUST BE RETURNED TO THE  
MANUFACTURER OF THE SOURCE, PER INSTRUCTIONS ON THE DEVICE.

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