

MICRO-DYNAMICS INC -- MD 80 K 40 TITANIUM TRITIDE -- 5985-01-009-1434

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Product Identification  
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Product ID:MD 80 K 40 TITANIUM TRITIDE

MSDS Date:03/21/1987

FSC:5985

NIIN:01-009-1434

MSDS Number: BMZYC

=== Responsible Party ===

Company Name:MICRO-DYNAMICS INC

Address:10 SONAR DR

City:WOBURN

State:MA

ZIP:01801-5704

Country:US

Info Phone Num:617-729-9450

Emergency Phone Num:617-729-9450

CAGE

:32187

=== Contractor Identification ===

Company Name:MICRO-DYNAMICS INC

Address:10 SONAR DR

Box:City:WOBURN

State:MA

ZIP:01801-5704

Country:US

Phone:617-729-9450

CAGE:32187

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Composition/Information on Ingredients  
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Ingred Name:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:TITANIUM, METAL

CAS:7440-32-6

RTECS #:XR17000

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Other REC Limits:NONE SPECIFIED

Ingrid Name:TRITIUM (TLV 0.0000020 MICRO CURIES/ML AIR)

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:TLV IS 0.00040 MICRO CI H3/ML AIR

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:ACUTE AND CHRONIC- NONE KNOWN.

Effects of Overexposure:NONE KNOWN.

Medical Cond Aggravated by Exposure:NONE KNOWN.

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===== First Aid Measures ==  
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First Aid:CONSULT: 1. YOUR RADIATION OFFICER, OR 2. YOUR REGIONAL US  
NRC OFFICE, OR 3. YOUR STATE RADIOLOGICAL HEALTH DEPARTMENT.

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

Extinguishing Media:USE DRY CHEMICAL OR DRY SAND. AVOID USING WATER.

Fire Fighting Procedures:CONSULT IN ADVANCE: 1. YOUR RADIATION OFFICER,  
OR 2. YOUR REGIONAL US NRC OFFICE, OR 3. YOUR STATE RADIOLOGICAL  
HEALTH DEPARTMENT.

Unusual Fire/Explosion Hazard:AVOID INH

ALATION OF AIR IN IMMEDIATE

VICINITY OF FIRE.

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

Spill Release Procedures:IMMEDIATELY CONTACT: 1. YOUR RADIATION  
OFFICER, OR 2. YOUR REGIONAL US NRC OFFICE, OR 3. YOUR STATE  
RADIOLOGICAL HEALTH DEPARTMENT.

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

Handling and Storage Precautions:STORAGE AND HANDLING:TAKE CARE THAT  
GLASS SEALS ARE NOT BROKEN.

Other Precautions:WEAR NIOSH-APPROVED SELF-C

CONTAINED BREATHING  
APPARATUS IF THE PRODUCT IS INVOLVED IN FIRE.

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

Respiratory Protection:NONE NORMALLY REQUIRED.  
Ventilation:MECHANICAL RECOMMENDED  
Protective Gloves:RUBBER OR PLASTIC  
Eye Protection:NONE NORMALLY REQUIRED.  
Other Protective Equipment:NONE  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and H  
ealth

MANUFACTURER STATES THAT THE PACKAGE CONFORMS TO THE CONDITIONS AND  
LIMITATIONS SPECIFIED IN 49 CFR 173.422 FOR EXCEPTED RADIOACTIVE  
MATERIAL, INSTRUMENTS AND ARTICLES. GROSS WEIGHT 4 POUNDS.

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

HCC:A2  
Spec Gravity:4  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:GRAY, METALLIC COLOR - ODORLESS

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

Stability Indicator/Materials to Avoid:YES  
MOIST  
ENVIRONMENTS  
Stability Condition to Avoid:TEMPERATURES ABOVE 200 DEGREE C (UNLESS  
ADEQUATE VENTILATION IS PROVIDED)  
Hazardous Decomposition Products:TRITIATED WATER, TRITIUM GAS (T2)

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

Waste Disposal Methods:CONTACT: 1. MICRO-DYNAMIC, OR 2. LOW-LEVEL  
RADIOACTIVE WASTE DISPOSAL BROKER.

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