

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

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

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

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

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

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

Other REC Limits:NONE SPECIFIED

===== 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.

===== 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.

===== 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.

===== 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.

===== 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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