

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

00

Other REC Limits:NONE SPECIFIED

Ingrid 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 ==

=====  
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.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Depar

tment

of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability 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.