

MB-MICROTEC -- LIGHT SOURCE,TRITIUM -- 6260-01-212-8472

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Product Identification  
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Product ID:LIGHT SOURCE,TRITIUM

MSDS Date:10/22/1990

FSC:6260

NIIN:01-212-8472

MSDS Number: CDYXR

=== Responsible Party ===

Company Name:MB-MICROTEC

Address:FREIBURGSTRASSE 624

City:CH-3172 NIEDERWANGEN/BERN

Country:SZ

Info Phone Num:214-644-0722

Emergency Phone Num:214-644-0722

Preparer's Name:DOUGLAS H. K

EEFER, PH.D.

CAGE:S5244

=== Contractor Identification ===

Company Name:DELTA LIGHTING CORP

Address:200 HENRY STREET

Box:City:STAMFORD

State:CT

ZIP:06904

Country:US

Phone:203-356-9797

CAGE:9S515

Company Name:MB-MICROTEC

Address:FREIBURGSTRASSE 624

Box:City:CH-3172 NIEDERWANGEN/BERN

Country:SZ

Phone:214-644-0722

CAGE:S5244

Company Name:OPTEX SYSTEMS INC

Address:850 N DORTHY DR,SUITE 510

Box:City:RICHARDSON

State:TX

ZIP:75081-2705

Country:US

Phone:214-644-0722

CAGE:0BK64

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Composition  
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/Information on Ingredients =====

Ingred Name:TRITIUM,  
CAS:10028-17-8  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:CHROMOSOMAL TRITIUM MAKES SIGNIFICANT CONTRIBUTION TO TOTAL RADIATION DOSE AFTER ACUTE EXPOSURE IN LONG LIF  
E SPAN CELLS WHICH PROLIFERATED AT THE TIME OF EXPOSURE.THE CONTRIBUTION OF CHROMOSOMAL DAMAG E TO WHOLE BODY RADIATION DOSE,OCURRINGFROM ACCIDENTAL RELEASE OF 10 CURIES OF TRITIUM,HAS YET TO BE OBSERVED.  
Explanation of Carcinogenicity:NO EVIDENCE IS YET AVAILABLE ON CARCINOGENESIS FROM TRITIATED WATER.  
Effects of Overexposure:IT APPEARS UNLIKELY THAT TRITIUM IN THE FORM OF WATER AND/OR VAPOR WOULD EVER PRODUCE DELETERIOUS,DETECTABLE EFFECTS AT CONCENTRATIONS NORMALLY ENC  
OUNTERED.  
Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION OF MSDS.

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

First Aid:VENTILATE THE AREA IMMEDIATELY, MOVE ALL PERSONNEL UPWIND. WASH EXPOSED SKIN SURFACES AS SOON AS POSSIBLE. DRINK COPIOUS QUANTITIES OF FLUIDS ESPECIALLY WATER NOT CONTAMINATED W/TRITIUM. COLLECT 20 ML URINE SAMPLES HOURLY, FOR LIQUID SCINTILLATION ANALYSIS BY A LICENSED RADIOLOGICAL LAB. CONTINUE UNTIL SEVERITY OF EXP  
OSURE HAS BEEN DETERMINED BY HEALTH PHYSICS ORIENTED MEDICAL STAFF.

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

Flash Point:NOT KNOWN  
Lower Limits:NOT KNOWN  
Upper Limits:NOT KNOWN  
Extinguishing Media:MFR GAVE NO INFORMATION OF MSDS.  
Fire Fighting Procedures:MFR GAVE NO INFORMATION OF MSDS. USE NORMAL FIRE FIGHTING PROCEDURES.  
Unusual Fire/Explosion Hazard:ALTHOUGH GTLS CONTAINS FLAMMABLE GAS IT MUST BE NOTED THAT TOTAL GAS VOL IS