

OPTEX SYSTEMS,INC -- WINDOW ASSEMBLY:INFRARED ANTI-REFLECTIVE CO -- 1240-01-063-1347
===== Product Identification =====

Product ID:WINDOW ASSEMBLY:INFRARED ANTI-REFLECTIVE CO

MSDS Date:03/26/1990

FSC:1240

NIIN:01-063-1347

Kit Part:Y

MSDS Number: BNWBM

=== Responsible Party ===

Company Name:OPTEX SYSTEMS,INC

Address:1215 COMMERCE DRIVE

City:RICHARDSON

State:TX

ZIP:75081

Country:US

Info Phone Num:2

14-644-0722

Emergency Phone Num:214-788-2704

Preparer's Name:DOUGLAS H KEEFER,PHD.

CAGE:MO795

=== Contractor Identification ===

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

Company Name:OPTEX SYSTEMS,INC

Address:1215 COMMERCE DRIVE

Box:City:RICHARDSON

State:TX

ZIP:75081

Country:US

Phone:214-644-0722

CAGE:MO795

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

Ingred Name:

THORIUM TETRAFLUORIDE.ACGIH TLV AND OSHA PEL ARE FOR
FLUORIDES.

CAS:13709-59-6

OSHA PEL:2.5 MG(F)/M3

ACGIH TLV:2.5 MG(F)/M3

Ingred Name:MAGNESIUM FLUORIDE.ACGIH TLV AND OSHA PEL ARE FOR
FLUORIDES.

CAS:7783-40-6

RTECS #:OM3325000

OSHA PEL:2.5 MG(F)/M3

ACGIH TLV:2.5 MG(F)/M3

Ingred Name:ZINC SELENIDE.ACGIH TLV FOR SELENIUM AND COMPOUNDS.OSHA PEL
FOR SELENIUM COMPOUNDS.

CAS:1315-09-9

OSHA PEL:0.2 MG(SE)/M3

ACGIH TLV:0.2 MG(SE)/M3

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:DAUGHTER PRODUCTS EMIT BETA & GAMMA
RADIATION.SMALL PARTICLES OF THF*4 RETAINED IN LUNGS PRESENT AN
ALPHA EMITTER EXPOSURE PROBLEM,COMPLEXED BY THE BETA/GAMMA DECAY OF
DAUGHTER PRODUCTS.INGESTION & AB SORPTION OF THORIUM REPRESENTS AN
INCREASING CARCINOGENIC RISK TO THE WORKER.THORIUM COATING: