

TEXAS INSTRUMENTS INC DEFENSE SYSTEM & ELECTRONICS -- TI 1173 GLASS P/N 794247-0001  
-- 6650-01-299-8636

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

Product ID:TI 1173 GLASS P/N 794247-0001

MSDS Date:06/24/1997

FSC:6650

NIIN:01-299-8636

Status Code:A

MSDS Number: CHXCN

=== Responsible Party ===

Company Name:TEXAS INSTRUMENTS INC DEFENSE SYSTEM & ELECTRONICS

Address:8505 FOREST LN

Box:660246

City:DALLAS

Stat

e:TX

ZIP:75266-0246

Country:US

Info Phone Num:972-917-7749

Emergency Phone Num:972-995-2222

Preparer's Name:ROSS E. JONES

CAGE:96214

=== Contractor Identification ===

Company Name:TEXAS INSTRUMENTS INC DEFENSE SYSTEM & ELECTRONICS

Address:8505 FOREST LN

Box:660246

City:DALLAS

State:TX

ZIP:75266-0246

Country:US

CAGE:96214

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

Ingred Name:GERMANIUM

CAS:7440-56-4

RTECS #:LY5200000

Other REC Limits:NONE RECOMMENDED

Ingred Name:ANTIM

ONY (SARA 313) (CERCLA)  
CAS:7440-36-0  
RTECS #:CC4025000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.5 MG/M3  
ACGIH TLV:0.5 MG (SB)/M3; 9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:SELENIUM (SARA 313) (CERCLA)  
CAS:7782-49-2  
RTECS #:VS7700000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.2 MG/M3  
ACGIH TLV:0.2 MG/M3; 9596  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of  
Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: DECOMPOSITION PRODUCTS ARE  
POTENTIAL IRRITANTS. SKIN: MAY BE IRRITATING TO SKIN. EYES: DUST IS  
AN EYE IRRITANT. INGESTED: UNLIKELY IN INDUSTRIAL ENVIRONEMNT.  
HOWEVER, IF IT IS INGESTED, IT MAY CAUSE GI TRACT DISTRESS, KIDNEY  
AND LIVER DAMAGE.  
Explanation of Carcinogenicity:THESE INGREDIENTS ARE NOT LISTED AS  
CARCINOGENS BY NTP, IARC, OS  
HA.  
Effects of Overexposure:EMETIC REACTIUONS, CHILLS, HEADACHE, COUGH,  
TREMOR, INSOMNIA, IRRITABILITY, WEAKNESS, SALIVATION AND EDEMA OF  
THE LUNGS.  
Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:EYES-FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION.  
SKIN-IMMEDIATELY REMOVE CONTAMINATED CLOTHES & SHOES. WASH WITH  
SOAP & WATER. INHALED-REMOVE TO FRESH AIR. RESTORE BREATHING AS  
NEEDED. GE T

MEDICAL ATTENTION. INGESTED-NOTHIN BYMOUTH IF UNCONSCIOUS. IF CONSCIOUS, GIVE LARGE AMOUNTS OF WATER & INDUCE VOMITING. KEEP AIRWAY CLEAR IF VOMITING OCCURS. SEEK IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:USE DRY CHEMICAL OR CARBON DIOXIDE.  
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:AT ELEVATED TEMPERATURES DECOMPOSITION MAY PRODUCE OXIDES OF SELENIUM AND ANTIMONY.

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

Spill Release Procedures:PICK UP INTACT MATERIAL WITH RUBBER GLOVES OR SWEEP UP-WITHOUT CREATING DUST. WEAR SUITABLE PROTECTIVE EQUIPMENT AS DICTATED BY THE SIZE ANDLOCATION OF THE RELEASED MATERIAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN ORIGINAL CLOSED CONTAINER WITH A TIGHTLY CLOSED LID. STORE AWAY FROM HEAT, ACIDS, AND OXIDIZING AGENTS.  
Other Precautions:THE PRECAUTIONS LISTED IN THIS DATA SHEET ARE RECOMMENDED WHEN THE MATERIAL IS USED AS DESCRIBED BY THE PRODUCT INFORMATION AND SPECIFICATIONS. UNUSUAL HANDLING OR USE METHODS AMY REQUIRE ADDITION OR SPECIAL PERSONAL PROTECTIVE EQUIPMENT.

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

Respiratory Protection:IF PRODUCT IS BEING PROCESSED ( CHEMICALLY ETCHED, CUT, GROUND, A BRADED, ETC) NIOSH-APPROVED RESPIRATOR IS RECOMMENDED FOR PROVIDING PEL (