

CONNECTICUT VALLEY INDUSTRIES INC -- MERCURY IN GLASS THERMOMETER --  
6660-00-247-2972

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

Product ID:MERCURY IN GLASS THERMOMETER  
MSDS Date:06/10/1989  
FSC:6660  
NIIN:00-247-2972  
MSDS Number: BJYTR  
=== Responsible Party ===  
Company Name:CONNECTICUT VALLEY INDUSTRIES INC  
Address:16 PLAINS RD  
City:ESSEX  
State:CT  
ZIP:06426-1501  
Country:US  
Info Phone Num:203-767-9051  
Emer  
gency Phone Num:203-767-9051  
CAGE:55560

=== Contractor Identification ===  
Company Name:CONNECTICUT VALLEY INDUSTRIES INC  
Address:8 CENTER ROAD  
Box:City:OLD STAYBROOK  
State:CT  
ZIP:06475  
Country:US  
Phone:860-388-0822/FAX: 860-388-1651  
CAGE:55560

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

Ingred Name:MERCURY (SARA III)  
CAS:7439-97-6  
RTECS #:OV4550000  
Fraction by Wt: 100%  
OSHA PEL:S, C, 0.1 MG/M3  
ACGIH TLV:S, 0.05 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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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:ACUTE: INGEST-BURNING IN MOUTH &  
THROAT;THIRST; SHOCK; CARDIAC ARRHYTHMIAS; NAUSEA, VOMITING,  
ABDOMINAL PAIN, BLODDY DIARRHEA; HEMATURIA,ALBUMINURIA; INHAL:  
METAL FUME FEVER; GASTROINTESTINAL SYMPTOMS ; BRONCHITIS; CHRONIC:  
CNS- VASOMOTOR DISTURBANCES; INSOMMIA; TREMORS;INHAL-COUG  
H, FEVER;  
HEMATOPOIETIC-MILD ANEMIA.  
Effects of Overexposure:INHAL: METAL FUME FEVER; SALIVATION & METALLIC  
TASTE; CHEST TIGHTNESS; COUGH; SKIN: PRIMARY IRRITANT &  
OCCASIONALLY SENSITIZER; INGEST: THIRST, SHOCK, NAUSEA, VOMITING  
Medical Cond Aggravated by Exposure:PRECLUDE FROM EXPOSURE INDIVIDUALS

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First Aid Measures  
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First Aid:CONTACT QUALIFIED PHYSICIAN.

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Fire Fighting Measures  
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Fire Fi  
ghting Procedures:USE SELF CONTAINED OR AIR LINE RESPIRATORS  
ONLY.  
Unusual Fire/Explosion Hazard:MERCURY IS NOT COMBUSTIBLE, BUT WILL  
EVAPORATE WHEN HEATED, CREATING TOXIC FUMES. WILL COMBINE WITH  
OTHER COMPOUNDS TO CREATE UNSTABLE COMPOUNDS.

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Accidental Release Measures  
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Spill Release Procedures:WEAR RUBBER GLOVES,SCBA,PROTECTIVE CLOTHING;  
METAL: COLLECT ALL DROPLETS & POOLS AT ONCE BY MEANS OF SUCTION  
PUMP ASPIRATOR BOTTLE W/LONG CAPI  
LLARY TUBE. COVER FINE DROPLETS IN  
NON ACCESSIBLE CRACKS W /CALCIUM POLYSULFIDE & EXCESS SULFUR.

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Handling and Storage  
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Handling and Storage Precautions:MERCURY IS THE THERMOMETER INDICATING  
FLUID. HANDLE & STORE SO AS TO MINIMIZE BREAKAGE OF THERMOMETER &  
MERCURY SPILLAGE.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NOT NEEDED UNLESS MERCURY IS SPILLED. AT 0.5  
MG/CUM:ANY CHEM. CARTRID

GE RESPIRATOR W/CARTRIDGE(S) PROVIDING PROTECTION AGAINST COMPOUND/ANY SUPPLIED-AIR RESPIR/SCBA; AT 1.25 MG/CUM: SUPPL-AIR RESPIR. IN CONTINUOUS FLOW MODE/"PAPRS"  
Ventilation:NORMAL ROOM VENTILATION; IF MERCURY PRESENT:ADEQUATE VENTILATION W/REGULAR MONITORING OF WORK AREA.  
Protective Gloves:IMPERVIOUS TYPE FOR HANDLING MERCURY.  
Eye Protection:AS REQUIRED FOR SITUATION AT HAND.  
Other Protective Equipment:NORMAL WORKING CLOTHING COVERING ARMS & LEGS.

Work Hygienic Practices:HANDLE THERMOMETERS SO AS TO AVOID BREAKAGE & THUS SPILLAGE OF MERCURY.  
Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:T6  
Boiling Pt:B.P. Text:676F,358C  
Melt/Freeze Pt:M.P/F.P Text:-38F/-38.9C  
Vapor Pres:0.0019  
Spec Gravity:13.6  
Evaporation Rate & Reference:LESS THAN ONE  
Solubility in Water:NONE  
Appearance and Odor:SILVER METALLIC LIQUID.  
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

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Stability Indicator/Materials to Avoid:YES  
AMMONIA, GOLD AND SILVER.  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:NONE STATED.

===== Disposal Considerations =====

Waste Disposal Methods:COMBINE ALL CONTAMINATED MERCURY IN AN TIGHTLY STOPPER BOTTLE. HOLD IT FOR PURIFICATION OR SALE. DO NOT ALLOW MERCURY TO CONTAMINATE AIR OR WATER.

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