

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
Emerg
ency 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-COUGH
, 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 Fighting 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 CAPIL
LARY 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. CARTRIDG

E 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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