

MILLER & WEBER INC -- MERCURY-IN-GLASS THERMOMETER -- 6685-00-242-2224

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Product Identification  
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Product ID:MERCURY-IN-GLASS THERMOMETER  
MSDS Date:01/01/1991  
FSC:6685  
NIIN:00-242-2224  
Status Code:A  
MSDS Number: CJCWG  
=== Responsible Party ===  
Company Name:MILLER & WEBER INC  
Address:1637 GEORGE ST  
City:RIDGEWOOD  
State:NY  
ZIP:11385-5342  
Country:US  
Info Phone Num:718-821-7110  
Emergency Phon  
e Num:718-821-7110  
Preparer's Name:DEANNE M. EMORY  
CAGE:4Y655  
=== 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  
Contract Num:SP0440-97-M-PJ70  
CAGE:55560  
Company Name:MILLER & WEBER INC  
Address:1637 GEORGE ST  
Box:City:RIDGEWOOD  
State:NY  
ZIP:11385-5342  
Country:US  
Phone:718-821-7110  
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Composition/Information on Ingredients  
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Ingred Name:MERCURY, QUICKSILVER (IARC CANCER REVIEW GROUP 3) \*94-4\*  
CAS:7439-97-6  
RTECS #:OV4550000  
= Wt:100.  
Other REC Limits:INORGANIC 0.1 MG/CUM  
OSHA PEL:0.05 MG/M3  
ACGIH TLV:0.05 MG/M3  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: SEVERE RESPIRATOR  
IRRITATION. CHRONIC E  
FFECTS OF OVEREXPOSURE CAN RESULT IN DAMAGE TO  
THE TARGET ORGANS. CHRONIC INHALATION OF VAPORS/DUST OVER LONG  
PERIODS OF TIME MAY RESULT IN MERCURY P OISONING. SKIN: DERMATITIS.  
EYES: EYE &MUCOUS MEMBRANE IRRITANT. TARGET ORGANS: CENTRAL NERVOUS  
SYSTEM, KIDNEYS, & LIVER.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITATION, CHEST PAINS, COUGHING, BREATHING  
DIFFICULTIES, GUM & MOUTH INFLAMMATION, GINGIVITIS, IRRITABILITY,  
TREMORS, PERSONALITY CHANGES, NER  
VOUSNESS, STOMATITIS, ALLERGIES.  
Medical Cond Aggravated by Exposure:TUBERCULOSIS, KIDNEY/LIVER DISEASE,  
ALCOHOLISM. THE KIDNEY ACCUMULATES MERCURY & DAMAGE IS USUALLY  
CAUSED BY ACUTE POISONING.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED.  
EYES: WASH OUT IMMEDIATELY, WASH THOROUGHLY W/PLENTY OF WATER FOR  
15 MINS. SKIN: WASH EXPOSED AREA THOROUGHLY W/SOAP & WATER.  
INGESTION: DON 'T  
INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL  
CASES.

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

Extinguishing Media:APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:USE AIR LINE/SELF CONTAINED BREATHING  
APPARATUS W/FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE ONLY.  
Unusual Fire/Explosion Hazard:NOT COMBUSTIBLE, FLAMMABLE/EXPLOSIVE, BUT  
W/EVAPORATE WHEN HEATED CREATING TOXIC FUMES WHICH ARE BOTH  
ODORLESS & COLORLESS.

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= Accidental Release Measures =====

Spill Release Procedures:CLEAN UP IMMEDIATELY W/VACCUM EQUIPMENT THAT HAS A FILTERED EXHAUST. DON'T DRY SWEEP. DECONTAMINATE WITH A MERCURY DECONTAMINANT.

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

Handling and Storage Precautions:AVOID SKIN CONTACT. WASH CONTACTED AREA W/SOAP & WATER. USE PROPER CARE.

Other Precautions:MERCURY IS A CUMULATIVE POISON THAT CONCENTRATES IN THE BRAIN, KIDNEYS & LIVER. IT IS VERY HAZARDOUS WHEN SPILLED/HEATED.

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

Respiratory Protection:NIOSH-MESA CERTIFIED.

Ventilation:LOCAL EXHAUST: AT POINT OF ORIGIN. MECHANICAL: RECOMMENDED

Protective Gloves:IMPERVIOUS

Eye Protection:GLASSES/GOGGLES

Other Protective Equipment:TIGHTLY WOVEN WORK CLOTHING FITTING CLOSELY ABOUT NECK, WRISTS & ANKLE SHOULD BE WORN.

Work Hygienic Practices:REMOVE/LAUNDER CLOTHING BEFORE REUSE. NO FOODS/DRINKS/TOBACCO SHOULD BE PRESENT IN MERCURY AREA.

Supplemental Safety and Health

VAPOR PRESSURE: 0.012 - 0.273. MATERIALS TO AVOID CONT'D: CHLORINE DIOXIDE, METHYL AZIDE, SODIUM CARBIDE, OLEUM, SULFURIC ACID. MERCURY W/READILY FORM AMALGAMS W/GOLD & SILVER.

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

HCC:Z2

Boiling Pt:=357.C, 674.6F

Vapor Pres:@20C 0.0012

Vapor Density:1.015

Spec Gravity:13.59

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SILVER METALLIC LIQUID, MOBILE AND

ODORLESS

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

HALOGENS/NITRIC ACID/AMMONIA GAS/ALUMINUM/ACETYLENE/ACETYLENE  
PRODUCTS/BORON PHOSPHODIIODIDE/CHLORINE (SEE SUPP)

Stability Condition to Avoid:HEAT & HIGH TEMPERATURES.

Hazardous Decomposition Products:MERCURY VAPORS

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

Waste Disposal Methods:KEEP COLLECTED MERCURY IN SEALED  
CONTAINER FOR

DISPOSAL. MERCURY IS RECYCLABLE. DON'T PUT IN GARBAGE, FLUSH IN  
SEWER/INCINERATE. DISPOSE OF IAW FEDERAL, STATE & LOCAL  
REGULATIONS. DON'T DISPOSE IN LANDFILL.

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