

WEKSLER INSTRUMENTS CORP -- MERCURY IN GLASS THERMOMETER -- 6685-00-282-7949  
===== Product Identification =====

Product ID:MERCURY IN GLASS THERMOMETER  
MSDS Date:03/24/1997  
FSC:6685  
NIIN:00-282-7949  
MSDS Number: CFKDJ  
=== Responsible Party ===  
Company Name:WEKSLER INSTRUMENTS CORP  
Address:80 MILL ROAD  
Box:808  
City:FREEPORT  
State:NY  
ZIP:11520-0808  
Country:US  
Info Phone Num:516-623-0100  
Emergency P  
hone Num:516-623-0100  
CAGE:64467  
=== Contractor Identification ===  
Company Name:WEKSLERIGLASS THERMOMETER CORP  
Address:80 MILL ROAD  
Box:City:FREEPORT  
State:NY  
ZIP:11520  
Country:US  
Phone:516-623-0100  
CAGE:64467

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

Ingred Name:MERCURY (SARA III)  
CAS:7439-97-6  
RTECS #:OV4550000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S, C, 0.1 MG/M3  
ACGIH TLV:S, 0.05 MG/M3; 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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===== Hazards Identification =====  
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LD50 LC50 Mixture:TLV=0.05MG/M3

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:HAZARDOUS ONLY IF THERMOMETER IS  
BROKEN. ACUTE:INHALATION OF HIGH LEVELS OF MERCURY VAPOR CAN LEAD  
TO SEVERE RESPIRATORY IRRITATION, CHEST PAINS, COUGHING, AND  
BREATHING DIFFICULTIES WHICH MAY BE FATAL IF RESPIRATION IS  
SEVERE. DAMAGE TO THE TARGET  
ORGANS (SKIN, EYES, CENTRAL NERVOUS  
SYSTEM, KIDNEYS, LIVER).

Effects of Overexposure:CHRONIC OVEREXPOSURE: LOW LEVELS MAY RESULT IN  
GUM AND MOUTH INFLAMMATION (ACCOMPANIED BY EXCESS SALIVATION AND  
METALIC TASTE), GINGIVITIS, IRRITABILITY, TREMORS, DEPRESSION,  
PERSONALITY CHANGES, NERVOUSNESS, STOMATITIS.SYMPTOMS: DYSPNEA,  
COUGHING, BREATHING DIFFICULTY, VOMTING.

Medical Cond Aggravated by Exposure:PERSONS WITH CHRONIC DISEASES (EG.  
TUBERCULOSIS, KIDNEY DISEASE, LIVER DIS  
EASE, ALCOHOLISM) OR WHOM  
ARE IN POOR PHYSICAL CONDITION.

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===== First Aid Measures =====  
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First Aid:CONTACT A QUALIFIED PHYSICIAN! INHALATION: REMOVE TO FRESH  
AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. EYES: WASH EYES, UPPER  
AND LOWER LIDS WITH WATER FOR 15 MINUTES.MERCURY IRRITATES EYES AND  
MUCOUS MEMBRANES. CONSULT WITH A PHYSICIAN. SKIN: WASH WITH SOAP  
AND WATER. INGESTION: DO NOT INDUCE VOMITING. CALL PHYSICIAN OR  
POISON CENTER IMMEDIATELY.

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===== Fire Fighting Measures =====  
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Extinguishing Media:NON-FLAMMABLE. USE APPROPRIATE MEDIA FOR THE  
SURROUNDING FIRE.

Fire Fighting Procedures:AT HIGH TEMPERATURES MERCURY VAPORIZES TO FORM  
HIGHLY TOXIC, ODORLESS, COLORLESS FUMES. USE AIR LINE OR SELF  
CONTAINED BREATHING APPARATUSES.

Unusual Fire/Explosion Hazard:MERCURY IS NOT COMBUSTIBLE, FLAMMABLE OR  
EXPLOSIVE, BUT WILL EVAPORATE WHEN HEATED CREATING TOXIC FUMES. IT  
WILL

COMBINE WITH OTHER COMPOUNDS .

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

Spill Release Procedures:USE APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING IF PEL IS EXCEEDED. VACUUM SPILLS WITH A FILTERED EXHAUST. DO NOT DRY SWEEP! USE A MERCURY DECONTAMINANT. AVOID CONTACT WITH MERCURY. WAS H CONTACTED AREA WITH SOAP AND WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE PROPER CARE IN HANDLING AND STORING THERMOMETER.

Other Precautions:TIGHTLY WOVEN (TYVEK) WORK CLOTHING FITTING CLOSELY ABOUT NECK, WRISTS, AND ANKLES SHOULD BE WORN. CLOTHING SHOULD BE REMOVED AND WASHED FREQUENTLY.

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

Respiratory Protection:NONE NORMALLY NEEDED. IF MERCURY SPILLAGE AND PEL IS EXCEEDED, RESPIRATORY PROTECTION SHOULD BE NIOSH-MESA CERTIFIED.

Ventilation:NO

SPECIAL REQUIREMENT. KEEP CONCENTRATIONS UNDER PEL.

Protective Gloves:IF SPILLED, USE VINYL GLOVES.

Eye Protection:IF SPILLED, USE SPLASH GOGGLES.

Other Protective Equipment:WORK CLOTHING FITTING CLOSELY ABOUT NECK, WRISTS, AND ANKLES.

Work Hygienic Practices:IF SPILLED, WASH CLOTHING. THERE SHOULD BE NO EATING, FOOD OR TOBACCO SHOULD BE IN THE AREA.

Supplemental Safety and Health

EACH THERMOMETER CONTAINS 31.6 GRAMS OF MERCURY.

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

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HCC:N1

Boiling Pt:B.P. Text:675F,357C

Vapor Pres:.0012 @68F

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 AND ACETYLENE PRODUCTS.MERCURY FORMS AMALGAMS WITH SILVER AND GOLD.

Stability Condition to A

void:HIGH HEAT AND TEMPERATURES.

Hazardous Decomposition Products:MERCURY VAPORS ARE HIGHLY TOXIC.

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

Waste Disposal Methods:REMOVE MERCURY AND MATERIALS WHICH HAVE COME IN CONTACT WITH MERCURY FOR PROPER DISPOSAL. DISPOSE OF IN ACCORDANCE WITH PROPER FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT PUT IN GARBAGE, SEWER OR INC INERATOR. MERCURY IS RECYCLABLE.

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