

WEKSLER INSTRUMENTS CORP -- MERCURY IN GLASS THERMOMETER -- 6685-00-243-9965

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

Product ID:MERCURY IN GLASS THERMOMETER

MSDS Date:03/01/1992

FSC:6685

NIIN:00-243-9965

MSDS Number: BWSRM

=== 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:C 0.1 MG/M3; Z-2

ACGIH TLV:S, 0.05 MG/M3; 9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

=====

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

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: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).

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

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.

Medical Cond Aggravated by Exposure:PERSONS WITH CHRONIC DISEASES (EG.

TUBERCULOSIS, KIDNEY DISEASE, LIVER DISEASE, ALCOHOLISM) OR WHOM ARE IN POOR PHYSICAL CONDITION.

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

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. MERCURY IS ABSORBED THROUGH UNDAMAGED SKIN.INGESTION: DO NOT INDUCE VOMITING. CONSULT WITH A PHYSICIAN.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

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.

U

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. WASH 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 IMPERVIOUS 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  
NONE SPECIFIED BY MANUFACTURER.

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

HCC: T6

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, N

ITRIC ACID,AMMONIA GAS,ALUMINUM,ACETYLENE AND ACETYLENE PRODUCTS.MERCURY FORMS AMALGAMS WITH SILVER AND GOLD.  
Stability Condition to Avoid: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 REGULATION  
S. DO NOT PUT IN GARBAGE, SEWER OR INC INERATOR. MERCURY IS RECYCLABLE.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.