

WEKSLER INSTRUMENTS CORP -- MERCURY-IN-GLASS THERMOMETER -- 6685-00-245-7696

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Product Identification  
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Product ID:MERCURY-IN-GLASS THERMOMETER

MSDS Date:01/01/1991

FSC:6685

NIIN:00-245-7696

MSDS Number: BKLVG

=== Responsible Party ===

Company Name:WEKSLER INSTRUMENTS CORP

Address:80 MILL ROAD

City:FREEPORT

State:NY

ZIP:11520-4616

Country:US

Info Phone Num:516-623-0100

Preparer's Name:DEA

NNE M. EMORY

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

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Composition/Information on Ingredients  
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Ingred Name:MERCURY (SARA III)

CAS:7439-97-6

RTECS #:OV4550000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

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 =====

LD50 LC50 Mixture:THRESHOLD LIMIT VALUE: 0.05 MG/M3

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

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

Health Hazards Acute and Chronic:EXPOSURE TO LOW LEVELS OF MERCURY VAPOR MAY RESULT IN GUM AND MOUTH INFLAMMATION, GINGIVITIS, IRRITABILITY, TREMORS, DEPRESSION, PERSONALITY CHANGES AND NERVOUSNESS, STOMATITIS.

Effects of Overexposure:INHALATIONS OF HIGH LEVELS OF MERCURY VAPOR CAN

LEAD TO SEVERE RESPIRATOR IRRITATION, CHEST PAINS, COUGHING, AND BREATHING DIFFICULTIES WHICH MAY BE FATAL IF RESPIRATORY IRRITATION IS SEVERE. DAMAGE TO THE CENTRAL NERVOUS SYSTEM, KIDNEYS AND LIVER CAN OCCUR. SYMPTOMS OF CHRONIC POISONING CAN OCCUR.

Medical Cond Aggravated by Exposure:PERSONS WITH CHRONIC DISEASES SUCH AS TUBERCULOSIS, KIDNEY DISEASE,LIVER DISEASE AND ALCOHOLISM OR ARE IN POOR PHYSICAL CONDITION SHOULD BE EXCLUDED FROM CONTINUOUS ASSIGNMENT W

HERE MERCURY IS PRESENT

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

First Aid:INHALATION:REMOVE PERSON FROM SOURCE OF EXPOSURE TO FRESH AIR. ASSIST WITH BREATHING IF NECESSARY. EYES:OCCASIONAL ACCIDENTAL CONTACT WITH EYES IS USUALLY HARMLESS IF WASHED OUT WITH WATER FOR 15 MINUTES WITH PLENTY OF WATER. SKIN:WASH EXPOSED AREA THOROUGHLY WITH SOAP AND WATER. INGESTION:DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN.

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

Extinguishing Media:APPROPRIATE FOR SURROUNDING FIRE.

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

Unusual Fire/Explosion Hazard:MERCURY IS NOT COMBUSTIBLE, FLAMMABLE OR EXPLOSIVE, BUT WILL EVAPORATE WHEN HEATED CREATING TOXIC FUMES WHICH ARE BOTH ODORLESS AND COLORLESS.

===== Accidental Release Measures

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Spill Release Procedures:CLEAN UP SPILLS IMMEDIATELY WITH VACUUM EQUIPMENT THAT HAS A FILTERED EXHAUST. DO NOT DRY SWEEP. DECONTAMINATE WITH A MERCURY DECONTAMINANT. KEEP COLLECTED MERCURY FOR DISPOSAL. AVIOD SKIN CONTACT WITH MERCURY, WASH CONTACTED AREAS.

Neutralizing Agent:DECONTAMINATE WITH SULFUR OR CALCIUM POLYSULFIDE.

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

Handling and Storage Precautions:HANDLE AND STORE THERMOMETER WITH PROPER CARE.

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

Respiratory Protection:IF MERCURY SPILLAGE AND PEL IS EXCEEDED, USE NIOSH CERTIFIED.

Ventilation:USE LOCAL EXHAUST AT THE POINT OF ORIGIN AND GENERAL MECHANICAL EXHAUST.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES OF GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

REPORTABLE QUANTITY: 1 POU

ND. THIS SUBSTANCE IS ALSO REPORTABLE UNDER CERCLA SECTION 103.

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

HCC:N1

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

Vapor Pres:0.0012@20C

Vapor Density:1.015

Spec Gravity:13.59

Evaporation Rate & Reference:DEPENDS ON TEMPERATURE

Solubility in Water:0.002 GM/ 100 GM H2O

Appearance and Odor:SILVER METALLIC LIQUID, MOBILE AND ODORLESS.

Percent Volatiles by Volume:100

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

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Stability Indicator/Materials to Avoid: YES

HALOGENS, NITRIC ACID, AMMONIA GAS, ALUMINUM, ACETYLENE AND ACETYLENE PRODUCTS. AMALGAMS CAN FORM READILY WITH AU AND AG

Stability Condition to Avoid: HEAT AND HIGH TEMPERATURES.

Hazardous Decomposition Products: MERCURY VAPORS.

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

Waste Disposal Methods: REMOVE MERCURY AND MATERIALS THAT HAVE COME IN CONTACT WITH MERCURY TO PROPER DISPOSAL AREA. MERCURY IS RECYCLABLE. DO

NOT PUT IN GARBAGE, FLUSH IN SEWER, OR INCINERATE.

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

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