

WEKSLER INSTRUMENTS CORP -- 12F;MERCURY-IN-GLASS THERMOMETER -- 6685-00-242-2224

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Product Identification
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Product ID:12F;MERCURY-IN-GLASS THERMOMETER

MSDS Date:01/01/1991

FSC:6685

NIIN:00-242-2224

MSDS Number: BMGPD

=== Responsible Party ===

Company Name:WEKSLER INSTRUMENTS CORP

Address:80 MILL ROAD

City:FREEPORT

State:NY

ZIP:11520-4616

Country:US

Emergency Phone Num:516-623-0100/800-42

4-9300 CHEMTREC

Preparer's Name:DEANNE M. EMORY

CAGE:64467

=== Contractor Identification ===

Company Name:DRESSER INDUSTRIES INC, WEKSLER INSTRUMENTS OPN

Address:250 E MAIN ST

Box:City:STRATFORD

State:CT

ZIP:06497-5145

Country:US

Phone:203-385-0490

CAGE:049X3

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

CAS:743

9-97-6
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; 9091
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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===== 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:ACUTE: SKIN:IRRITATION. ABSORBED
THROUGH SKIN CAUSING ANURIA. EYE:IRRITATION, CORNEAL INJURY OR
BURNS. INGESTIO
N: IMMEDIATE NECROSIS IN MOUTH, THROAT, ESOPHAGUS &
STOMACH. DEATH MAY OCCURE. INHALATION :DYSPNEA, COUGH, FEVER,
NAUSEA & VOMITING, DIARRHEA, STOMATITIS, SALIVATION & METALLIC
TASTE. CHRONIC: CNS DISTURBANCES.
Explanation of Carcinogenicity:MERCURY IS NOT LISTED BY IARC, NTP, OR
OSHA AS A CARCINOGEN.
Effects of Overexposure:TREMORS, CONVULSIONS & OTHER CNS DISTURBANCES,
PNEUMONITIS, CHEST PAINS, DYSPNEA, COUGHING, STOMATITIS, GINGIVITIS
AND LOOSENING OF TEETH, SALIVATION
, LOSS OF MEMORY, METALLIC TASTE,
DIZZINESS, CLUMSI NESS, SLURRED SPEECH, DIARRHEA, PAIN & NUMBNESS
IN EXTREMITIES, NEPHRITIS, ANXIETY, HEADACHE, WEIGHT LOSS, AND
INSOMNIA.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF
ALCOHOLISM, CHRONIC KIDNEY DISEASE OR KNOWN ALLERGY TO MERCURY MAY
BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE
CP
R/OXYGEN. GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES WITH
PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL
ATTENTION. S KIN: REMOVE CONTAMINATED CLOTHING. WASHSKIN WITH
PLENTY OF SOAP & WATER. INGESTION: GET IMMEDIATE MEDICAL ATTENTION.
A 5% SOLUTION OF SODIUM FORMALDEHYDE SULFOXYLATE MAY BE USED TO
INDUCE VOMITING.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY

CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. MERCURY VAPORIZES RAPIDLY TO FORM HIGHLY TOXIC FUMES.

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

Spill Release Procedure

s:SMALL SPILL: PICK UP WITH VACUUM EQUIPMENT SPECIFICALLY DESIGNED FOR MERCURY PICK UP OR USE MERCURY SPILL KIT. LARGE SPILL: EVACUATE AND VENTILATE AREA. IF POSSIBLE, STOP LEAK. DIKE TO RETAIN. VACUUM UP FREE LIQUID. DO NOT TOUCH SPILLED MATERIAL.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN SEALED UNBREAKABLE POLYETHYLENE CONTAINERS IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAT. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:THIS CHEMICAL IS SUBJECT TO SARA SECTION 313 REPORTING. PROVIDE PREPLACEMENT AND PERIODIC MEDICAL EXAMS FOR THOSE REGULARLY EXPOSED TO MERCURY, WITH EMPHASIS ON CNS, SKIN, LUNGS, LIVER, KIDNEYS AND G. I. TRACT.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR DECISION LOGIC-PUBLICATION NUMBER 87.108.

Ventilation:PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENTILATION IN PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:SEPARATE WORK AND STREET CLOTHING. STORE WORK CLOTHING IN SPECIAL LOCKERS. SHOWER BEFORE CHANGING TO STREET CLOTHES.

Work Hygienic Practices:OBSERVE

E GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS. DO
NOT WORK WITH SPILLED MERCURY WHILE WEARING JEWELRY. MERCURY FORMS
AMALGAMS WITH GOLD AND SILVER EASILY. THIS SAFETY INFORMATION IS
BASED ON HAZARDS OF MERCURY METAL. UNDER NORMAL USE CONDITIONS,
THERMOMETER WILL NOT BE HAZARDOUS.

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

HCC:Z2

Boiling

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

Melt/Freeze Pt:M.P/F.P Text:-38F,-39C

Vapor Pres:0.0012

Vapor Density:1.015

Spec Gravity:13.59

Solubility in Water:0.002 G / 100 G H2O

Appearance and Odor:SILVER METALLIC LIQUID; MOBILE AND ODORLESS

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, HALOGENS, AMMONIA, ALUMINUM, ACETYLENE,
ACETYLENE PRODUCTS AND OTHER ALKYNES, NITRIC ACID.

Stability Co

ndition to Avoid:HIGH HEAT, ANY CONDITION WHICH WOULD BREAK
THERMOMETER CASE AND RELEASE MERCURY.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS INCLUDE
TOXIC MERCURY VAPORS AND OXYGEN.

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

Waste Disposal Methods:DO NOT INCINERATE - RETURN TO RECLAMATION
CENTER.

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