

MERIAM INSTRUMENT CO, DIV OF THE SCOTT & FETZER CO -- 921A, MERCURY (FOR MANOMETER) -- 6685-00-526-8646

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Product Identification
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Product ID:921A, MERCURY (FOR MANOMETER)

MSDS Date:03/17/1999

FSC:6685

NIIN:00-526-8646

Status Code:A

MSDS Number: CLJQW

=== Responsible Party ===

Company Name:MERIAM INSTRUMENT CO, DIV OF THE SCOTT & FETZER CO

Address:10920 MADISON AVE

City:CLEVELAND

State:

OH

ZIP:44102

Country:US

Info Phone Num:216-281-1100

Emergency Phone Num:216-281-1100/800-424-9300(CHEMTREC)

Resp. Party Other MSDS Num.:A35804

Chemtrec Ind/Phone:(800)424-9300

CAGE:39739

=== Contractor Identification ===

Company Name:MERIAM INSTRUMENT CO, DIV OF THE SCOTT & FETZER CO

Address:10920 MADISON AVE

Box:City:CLEVELAND

State:OH

ZIP:44102-2526

Country:US

Phone:216-281-1100

CAGE:39739

Company Name:SUNSHINE SCIENTIFIC INSTRUMENT INC

Address:1810 GRANT AVE

Box:City:PHILADELPHIA

State:PA

ZIP

:19115-4305

Country:US

Phone:800-343-1199

Contract Num:SP0440-01-M-BK97

CAGE:06030

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Composition/Information on Ingredients
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Ingred Name:MERCURY (SARA 313) (CERCLA)

CAS:7439-97-6

RTECS #:OV4550000

= Wt:100.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 0.1 MG/M3; Z-2

ACGIH TLV:S,0.025 MG/M3; A4;95

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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Hazards Identification
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Inhalation: YES Skin: YES Ingestion: YES

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

Health Hazards Acute and Chronic: EYE: IRRITANT. SOLUTIONS ARE CORROSIVE AND MAY CAUSE CORNEAL INJURY OR BURNS. SKIN: IRRITANT/ SENSITIZER/NEUROTOXIN/NEPHROTOXIN. ABSORBED SLOWLY THROUGH SKIN. INGESTION: NEUROTOXIC /NEPHROTOXIC. NECROSIS START IMMEDIATELY IN MOUTH, THROAT, ESOPHAGUS & STOMACH. WITHIN FEW MINUTES, VIOLENT PAIN, PROFUSE VOMITING & SEVERE PURGING MAY OCCUR. PATIENT MAY DIE

WITHIN A FEW MINUTES FROM FLUID/ELECTROLYTE LOSSES & PERIPHERAL VASCULAR COLLAPSE. DEATH (FROM UREMIA) USUALLY DELAYED 6-12 DAYS. INHALATION: IRRITANT/SENSITIZER/NEUROTOXIN. 28MG/M3 IMMEDIATELY DANGEROUS TO LIFE AND HEALTH. SEE OTHER INFORMATION FOR CHRONIC EFFECTS.

Explanation of Carcinogenicity: NONE

Effects of Overexposure: DYSPNEA, COUGH, FEVER, NAUSEA, VOMITING, VOMITING, DIARRHEA, STOMATITIS, SALIVATION, METALLIC TASTE, BRONCHITIS, PNEUMONITIS, PULMONARY EDEMA, IRRITATION, PNEUMOTHORAX.

THIS SYNDROME IN CHILDREN OFTEN FATAL. ACIDOSIS & RENAL DAMAGE WITH RENAL FAILURE MAY OCCUR. INHALING VOLATILE ORGANOMERCURIALS IN HIGH CONCENTRATIONS CAUSES METALLIC TASTE, DIZZINESS, CLUMBINESS, SLURRED SPEECH, DIARRHEA & SOMETIMES FATAL CONVULSIONS.

Medical Condition Aggravated by Exposure: NOT PROVIDED

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

First Aid: EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN

UTES WHILE HOLDING EYELIDS OPEN. SKIN: REMOVE CONTAMINATED CLOTHING AND WASH WITH SOAP AND WATER. WASH CONTAMINATED CLOTHES. INHALATION: REMOVE PERSON FROM CONTAMINATED AREA TO FRESH AIR. RESTORE AND/OR SUPPORT BREATHING AS NEEDED. INGESTION: GASTRIC LAVAGE WITH 5% SOLUTION OF SODIUM FORMALDEHYDE SULFOXYLATE, FOLLOWED BY 2% NAHCO₃, AND FINALLY LEAVE 250 CC OF SODIUM FORMALDEHYDE SULFOXYALATE IN THE STOMACH.

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

Flash Point: NON-FLAMMABLE

Extinguishing Media: WATER FOG, CO₂, DRY CHEMICAL, ALCOHOL FOAM.

Fire Fighting Procedures: FOR LARGE FIRES, USE WATER SPRAY, FOG, ALCOHOL FOAM. MOVE CONTAINERS FROM AREA IF POSSIBLE. COOL CONTAINERS EXPOSED TO FLAMES WITH WATER UNTIL WELL AFTER THE FIRE IS OUT.

Unusual Fire/Explosion Hazard: AVOID BREATHING CORROSIVE AND POISONOUS VAPORS.

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

Spill Release Procedures: DO NOT TOUCH SPILL. S

TOP LEAK IF YOU CAN.

ABSORB WITH ABSORBENT MATERIAL. DISPOSE OF PROPERLY.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN SECURE AREA AWAY FROM INCOMPATIBLE MATERIALS. PROTECT CONTAINER FROM PHYSICAL DAMAGE. KEEP OUT OF REACH OF CHILDREN. STORE IN COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM FLAMES AND HIGH TEMPERATURES. KEEP AWAY FROM FLAMES AND HIGH TEMPERATURES.

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Other Precautions:THIS PRODUCT IS FOR INDUSTRIAL AND LABORATORY USE ONLY. DO NOT STORE IN OPEN, UNLABELED OR MISLABELED CONTAINERS. WE RECOMMEND THAT EMPLOYEES WASH THOROUGHLY AFTER HANDLING PRODUCT. ALWAYS WASH UP BEFORE EATING, SMOKING, AND USING TOILET FACILITIES.

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

Respiratory Protection:IF EXPOSURE EXCEEDS PERMISSIBLE EXPOSURE LIMITS (1MG/M3) WEAR A SELF-CONTAINED BREATHING APPARATUS IN COMPLIANCE

WITH NIOSH/MSHA SPECIFICATIONS. COMPLY WITH 29CFR 1910.134.

Ventilation:GENERAL MECHANICAL ROOM VENTILATION SATISFACTORY. OPERATION REQUIRING AN EXPOSED MERCURY SURFACE SHOULD REDUCE TEMPERATURE OF MERCURY AND USE LOCAL EXHAUST.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:BOOTS, APRONS OR CHEMICAL SUITS SHOULD BE USED WHEN NECESSARY TO PREVENT SKIN CONTACT. EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING.

Supplemental Safety and Health

PART # 30PA10TM-61-SP. THIS MSDS IS FOR MERCURY CONTAINED IN THE MANOMETER.

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

HCC:Z2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=357.2C, 675.F

Melt/Freeze Pt:=-38.9C, -38.F

Vapor Pres:0.0012 MMHG

Vapor Density:7.0

Spec Gravity:1

3.54 @22C

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:N/A (BUAC=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER COLOR, HEAVY LIQUID METAL

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

Stability Indicator/Materials to Avoid:YES

ACETYLINIC COMPOUNDS, AMMONIA, BORON, DILODOPHOSPHIDE, ETHYLENE OXIDE,
METALS, METHYL AZIDE, METHYLSILANE, OXYGEN, OXIDANTS, BROMINE,
PEROXYFORMIC ACID, CHLORINE DIOXIDE, NITRIC ACID,
TETRACARBONYLNICKEL, NITROMET

HANE, SILV

Stability Condition to Avoid:MAY BURN, BUT DOES NOT IGNITE READILY

Hazardous Decomposition Products:TOXIC MERCURY VAPOR AT ELEVATED
TEMPERATURES

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED

===== Ecological Information =====

Ecological:NOT PROVIDED

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

Waste Disposal Methods:PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN
COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:WHEN TRANSPORTING MERCURY BY ITSELF, DOT PSN:
MERCURY, 8, UN2809, III (GROUND), I (AIR).

===== Regulatory Information =====

SARA Title III Information:MERCURY IS LISTED AS A SARA TITLE III
SECTION 313 TOXIC CHEMICAL.

Federal Regulatory Information:CERCLA RQ IS 1 LB. RCRA CODE IS U151

State Regulatory I

Information:NOT PROVIDED

===== Other Information =====

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