

MERIAM INSTRUMENT CO, DIV OF THE SCOTT & FETZER CO -- 921A, MERCURY --
6685-00-601-5982

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

Product ID:921A, MERCURY

MSDS Date:03/17/1999

FSC:6685

NIIN:00-601-5982

Status Code:A

MSDS Number: CKZKW

=== 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)

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-BK9

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

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

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.
Routes of Entry: 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: NEUROTOXIN/NEPHROTOXIC. NECROS IS 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.
INHALTION: IRRITANT/SENSITIZER/NEUTROTOXIN. 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, STOMATIS, SALIVATION, METALLIC TASTE,
BRONCHITIS, PNEUMONITIS, PULMONARY EDEMA, IRRITATION, PNEUMOTHORAX.
THIS SYNDROME IN CHILDREN OFTEN FATAL. A
CIDOSIS & RENAL DAMAGE
WITH RENAL FAILURE MAY OCCUR. INHALING VOLATILE ORGANOMERCURIALS
IN HIGH CONCENTRATIONS CAUSES METALLIC TASTE, DIZZINESS, CLUMINESS,
SLURRED SPEECH, DIARRHEA & SOMETIMES FATAL CONVULSIONS.
Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT
LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. SKIN: REMOVE
CONTAMINATED CLOTHING

AND WASH WITH SOAP AND WATER. WASH
CONTAMINATED CLOTHES. INHALA TION: 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% NAHCO 3, AND FINALLY LEAVE 250 CC OF
SODIUM FORMALDEHYDE SULFOXYALATE IN THE STOMACH.

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

Flash Point:NON-FLAMMABLE
Extinguishing Media:WATER SPRAY, CARB
ON DIOXIDE, ALCOHOL FOAM. WATER
SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.
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:EMITS TOXIC AND CORROSIVE FUMES OF
MERCURY.

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

Spill Release Procedures:DO NOT TOUCH SPILL. STOP LEAK I
F 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.
Other Preca
utions: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 BE FORE 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 FOUNTAIN AND
SAFETY SHOWERS SHOULD BE AVAILABLE FOR EMERG
ENCY USE.

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

Supplemental Safety and Health

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

HCC:T6

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:13.54 @22C

Viscosity:NOT RELEVANT

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

Solubility i

n 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, NITROMETHANE, SILV

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

Hazardous Dec

omposition 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 Trans

port Information =====

Transport Information:NOT PROVIDED. SEE TRANSPORTATION DATA.

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

SARA Title III Information:MERCURY IS A SARA 313 CHEMICAL.
Federal Regulatory Information:CERCLA RQ IS 1 LB. RCRA CODE IS U151
State Regulatory Information:NOT PROVIDED

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

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