

FISHER SCIENTIFIC, CHEMICAL DIV. -- MERCURY -- 6810-00-281-7450

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

Product ID:MERCURY

MSDS Date:03/09/1990

FSC:6810

NIIN:00-281-7450

MSDS Number: BTKQM

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100,800-424-9300(C

HEMTREC)

Preparer's Name:GASTON L.PILLORI

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL MFG DIV

Address:1 REAGENT LN

Box:City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100/800-766-7000 X3725

CAGE:2G230

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred N

ame:MERCURY (SARA III)
CAS:7439-97-6
RTECS #:OV4550000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, C, 0.1 MG/M3
ACGIH TLV:S, 0.05 MG/M3; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS UNKNOWN.
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
THR
OUGH SKIN CAUSING ANURIA. EYE: IRRITATION, CORNEAL INJURY,
BURNS. INGESTION: IMMEDIATE NECROSIS IN MOUTH, THROAT, ESOPHAGUS,
STOMACH. DEATH MAY OCCURE. INHALATION: DYSPNEA, COUGH, FEVER,
NAUSEA, VOMITING, DIARRHEA, STOMATITIS, SALIVATION, METALLIC TASTE.
CHRONIC: CNS DISTURBANCE.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:TREMORS, CONVULSIONS, OTHER CNS DISTURBANCES,
PNEUMONITIS, CHEST PAINS, DYSPNEA, COUGHING, STOMATITIS, GINGIVITIS
AND LOOSENING OF TEE
TH, SALIVATION, LOSS OF MEMORY, METALLIC TASTE,
DIZZINESS, CLUMSIN ESS, SLURRED SPEECH, DIARRHEA, PAIN ANDNUMBNESS
IN EXTREMITIES, NEPHRITIS, ANXIETY, HEADACHE, WEIGHT LOSS,
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: MOVE TO FRESH AIR. IF NOT BREATHING GI
VE
CPR/OXYGEN. GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES WITH
PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL
ATTENTION. SKI N: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH
PLENTY OF SOAP AND 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 =====

Flash Point:NONE
Extinguishing Media:DRY CHEMICAL, CARB

ON DIOXIDE, HALON, WATER SPRAY,
STANDARD FOAM. (1987 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.4).

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA
AND FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE
WATER SPRAY TO COOL NEARBY FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:AVOID BREATHING CORROSIVE AND POISONOUS
VAPORS. KEEP UPWIND. NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR
FLAME.

===== Accidental Release Measures ==
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Spill Release Procedures: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 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 APPROV
ED RESPIRATORS AS

PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND
NIOSH-RESPIRATOR DECISION LOGIC-PUBL ICATION 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:WASH AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSING.
Supplemental Safety and Health
DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS.

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

HCC:T6
Boiling Pt:B.P. Text:674F,357C
Melt/Freeze Pt:M.P/F.P Text:-38F,-39C
Vapor Pres:0.002
Vapor Density:7.0
Spec Gravity:13.5939
Solubility in Water:INSOLUBLE
Appearance and Odor:COLORLESS, SILVERY
LIQUID WITH METALLIC LUSTER.
ODORLESS.

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

Stability Indicator/Materials to Avoid:YES
AMMONIA, METALS, OXYGEN, OXIDANTS, ACETYLENE, AMMONIA BORON
PHOSPHORIDE, CHLORINE DIOXIDE, METHYLAZIDE.
Stability Condition to Avoid:EXCESSIVE HEAT.
Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS INCLUDE
TOXIC MERCURY VAPORS AND OXYGEN.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE
AND FEDERAL REGULATIONS. DO NOT INCINERATE, RETURN TO RECLAMATION
CENTER.

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