

FISHER SCIENTIFIC, CHEMICAL DIV. -- MERCURY -- 6140-00-889-1027

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

Product ID:MERCURY

MSDS Date:02/15/1986

FSC:6140

NIIN:00-889-1027

MSDS Number: BRPFG

=== 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 OR 201-796-7523

Emergency Phone Num:201-796-7100

Preparer's Name:GASTON L. PILLORI

CAGE:1B464

=== Contractor Ide

ntification ===

Company Name:EAGLE PICHER INDUSTRIES

Address:BETHEL RD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Phone:417-776-2256

CAGE:9H651

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 Name:MERCURY (SARA III)

CAS:7439-97-6

RTECS #:OV4550000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, C, 0.1 MG

/M3
ACGIH TLV:S, 0.05 MG/M3; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:28 MG/M3 IDLH
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATIONS OF HIGH CONCENTRATIONS OF
MERCURY CAN CAUSE KIDNEY, LIVER, AND CENTRAL NERVOUS SYSTEM DAMAGE.
SKIN ABSORPTION MAY CAUSE SIMILAR DAMAGE. CHRONIC EXPOSURE OVER A
LONG TIME CAN CAUSE NERVOUS SYSTEM DAMAGE, KIDNEY AND LIVER
DAMAGE.
Explanation of Carcinogenicity:MERCURY IS NOT LISTED AS A CARCINOGEN BY
NTP, IARC, OR OSHA.
Effects of Overexposure:GI TRACT DISTURBANCES, WEAKNESS, COUGH, FEVER,
TREMORS, IRRITABILITY AND METALLIC TASTE IN MOUTH. REDNESS AND
ITCHING OF SKIN AND EYES.
Medical Cond Aggravated by Exposure:PERSONS WITH A CHRONIC DISEASE OR
IN POOR HEALTH SHOULD BE EXCLUDED FROM MERCURY WORK AREA.

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

First Aid:EYES: IMMEDIATE AND PROLONGED FLUSHING WITH LOTS OF WATER
WHILE HOLDING EYELIDS OPEN. SEE DOCTOR. SKIN: REMOVE CONTAMINATED
CLOTHES. WASH AREA WITH LOTS OF SOAP AND WATER. INHALED: REMOVE
PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION
OR OXYGEN. GET IMMEDIATE MEDICAL ATTENTION. INGESTED: GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point:NONFLAMMABLE
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR FOAM.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING. MOVE CONTAINERS FROM FIRE AREA IF POSSIBLE AT
NO PERSONAL RISK.
Unusual Fire/Explosion Hazard:MERCURY IS NOT COMBUSTIBLE, BUT WILL
VAPORIZE RAPIDLY WHEN HEATED, CREATING TOXIC FUMES.

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

Spill Release Procedures:TAKE UP WITH ABSORBENT MATERIAL AND PLACE

IN A
CONTAINER FOR LATER DISPOSAL OR RECLAMATION.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR DURING EMERGENCIES USE NIOSH/MSHA APPROVED RESPIRATOR WITH CARTRIDGE FOR FOR MERCURY VAPOR. IF RESPIRATORS ARE USED; A PROGRAM IN ACCORDANCE WITH 29 CFR 1910.134 MUST B E IMPLEMENTED.
Ventilation:LOCAL EXHAUST OR ADEQUATE MECHANICAL VENTILATION MUST BE USED.
Protective Gloves:RUBBER
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES
Other Protective Equipment:EYE WASH STATION, CLOTHING TO PREVENT PROLONGED OR REPEATED CONTACT.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUS E.
Supplemental Safety and Health
HCC BASED ON ITEM OF SUPPLY. MANUFACTURER PROVIDED MSDS FROM EACH PROVIDER OF RAW MATERIALS FOR THEIR MSDS FOR SILVER-ZINC BATTERY. OTHER MSDS FOR THIS BATTERY ARE UNDER THIS NSN AND THE FOLLOWING CAG E CODES: 40057, 56894, 1F136.

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

HCC:Z7
Boiling Pt:=358.C, 676.4F
Melt/Freeze Pt:=-39.C, -38.2F
Vapor Pres:0.0019
Vapor Density:7.0(AIR=1)
Spec Gravity:13.54
Solubility in Water:INSOLUB

LE

Appearance and Odor:SILVER-WHITE LIQUID METAL;ODORLESS:CONTAINED IN A SILVER-ZINC BATTERY ELECTRODE

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

Stability Indicator/Materials to Avoid:YES

ACETYLENE, AMMONIA, CHLORINE DIOXIDE, AZIDES, CALCIUM, SODIUM CARBIDE, LITHIUM, COPPER, BORON, OXYGEN, OXIDIZERS,

Stability Condition to Avoid:CONTACT WITH OR STORAGE WITH INCOMPATIBLE MATERIALS AND EXCESSIVE HEAT.

Hazardous Decomposition Products:MERCURY FUMES

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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