

D.F.GOLDSMITH CHEMICAL & METAL CORP. -- MERCURY(METALLIC MERCURY)(QUICK SILVER) --  
6810-00-281-7450

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

Product ID:MERCURY(METALLIC MERCURY)(QUICK SILVER)

MSDS Date:10/10/1986

FSC:6810

NIIN:00-281-7450

MSDS Number: BHCBH

=== Responsible Party ===

Company Name:D.F.GOLDSMITH CHEMICAL & METAL CORP.

Address:909 PITNER AVE.

City:EVANSTON

State:IL

ZIP:60202

Country:US

Info

Phone Num:708-869-7800

Emergency Phone Num:708-869-7800

CAGE:27368

=== Contractor Identification ===

Company Name:D.F.GOLDSMITH CHEMICAL & METAL CORP.

Address:909 PITNER AVE.

Box:City:EVANSTON

State:IL

ZIP:60202

Country:US

Phone:312-869-7800

CAGE:27368

Company Name:INLAND PACKAGING INC

Address:209 PETERSON DR

Box:644

City:ELIZABETHTOWN

State:KY

ZIP:42701-9804

Country:US

Phone:502-737-6757

CAGE:66172

Company Name:LABORATORY SUPPLY CORP.

Address:540 W PATRICE PL

Box:City:GARDENA

State:CA

ZIP:9024

8-4232  
Country:US  
CAGE:4W642  
Company Name:POLYSCIENCES INC  
Address:400 VALLEY RD  
Box:City:WARRINGTON  
State:PA  
ZIP:18976  
Country:US  
Phone:215-343-6484  
CAGE:32939

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

Ingred Name:MERCURY (SARA III)  
CAS:7439-97-6  
RTECS #:OV4550000  
Fraction by Wt: >99%  
OSHA PEL:S, C, 0.1 MG/M3  
ACGIH TLV:S, 0.05 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:TLV FO  
R MERCURY IS 0.03MG/M\*3 TWA  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: MERCURIALISM CAN OCCUR FROM  
INHALATION OF VERY LARGE CONCENTRATIONS OF MERCURY VAPOR. CHRONIC:  
MERCURIALISM CAN OCCUR FROM REPEATED AND PROLONGED EXPOSURES OF  
MODERATE LEVELS OF MERCURY VAPOR. ABSORPTION MAY ALSO OCCUR  
THROUGH THE SKIN.

Explanation of Carcinogenicity:MERCURY IS NOT LISTED BY IARC, NTP, O  
R  
OSHA AS A CARCINOGEN.

Effects of Overexposure:TREMORS, PARALYSIS, LOSS OF MEMORY AND CHRONIC  
RENAL DISEASE, GUM DISEASE, CONSTRICTION OF VISUAL FIELD, AND  
STRONG DISINCLINATION TO WORK, MENTAL FATIGUE, IRRITABILITY,  
EXCITABILITY, HEADACHES, DIGES TIVE DISTURBANCE, TIMIDITY, LOSS OF  
APPETITE AND THE NEED FOR UNUSUAL AMOUNT OF DENTAL WORK.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF  
ALCOHOLISM, CHRONIC KIDNEY DISEASE OR KNOWN ALLERGY TO MERCURY MAY  
B

E AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR.  
GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF  
WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: FLUSH WITH  
PLENTY OF SOAP & WATER. REMOVE CONTAMINATED CLOTHING/SHOES AND  
LAUNDER BEFORE REUSE. INGESTION: DO NOT INDUCE VOMITING. GET  
MEDICAL ATTENTION.

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

Flash Point:NONE  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:AVOID BREATHING THE CORROSIVE,POISONOUS  
FUMES.

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

Spill Release Procedures:SMALL SPILL: PICK UP WITH VACUUM EQUIPMENT  
SPECIFICALLY DESIGNED FOR MERCURY PICK UP. LARGE SPILL: EVACUATE  
AND VENTILATE AREA. IF POSSIBLE, STOP LEAK. DIKE TO RETAIN. VACUUM  
UP FREE LIQUID.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN SEALED CONTAINERS. PROTECT  
CONTAINERS FROM PHYSICAL DAMAGE.  
Other Precautions:THIS CHEMICAL IS SUBJECT TO SARA SECTION 313  
REPORTING.

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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:SAFETY GOGGLES

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:OBSERVE 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.

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

HCC:T6  
Boiling Pt:B.P. Text:675F,357C  
Melt/Freeze Pt:M.P/F.P Text:-38F,-39C  
Vapor Pres:0.0012  
Vapor Density:7.0  
Spec Gravity:13.6  
Solubility in Water:INSOLUBLE  
Appearance and Odor:HEAVY,SILVERY,LIQUID METAL

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

Stability Indicator/Materials to Avoid:YES  
ACETYLENICS,AMMONIA,BORON,DIIODOPHOSPHIDE,ETHYLENE  
OXIDE,METALS(ESPECIALLY REACTIVE ONES),METHYL  
AZIDE,OXYGEN,OXIDANTS.  
Stability Condition to Avoid:HIGH TEMPERATURES,ENCLOSED AREAS;POISONOUS  
FUMES ACCUMULATE.  
Hazardous Decomposition Products:EMITS MERCURY VAPOR

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

Waste Disposal

I Methods:DO NOT INCINERATE - RETURN TO RECLAMATION  
CENTER. COMPLY WITH ALL FEDERAL, STATE, LODAL REGULATIONS.

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