

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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