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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

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, OR

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.
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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 SO AP & WATER. REMOVE CONTAMINATED CLOTHING/SHOES AND LAUNDER BEFORE REUSE. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.
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hting 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 Procedu res: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.

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-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: SAFETY GO **GGLES** 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 Odo r: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 Disposa

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

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