

D.F.GOLDSMITH CHEMICAL & METAL CORP. -- MERCURY (METALLIC MERCURY) (QUICK SILVER) --  
6810-00-281-7453

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

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

MSDS Date:09/01/1990

FSC:6810

NIIN:00-281-7453

MSDS Number: BDTCN

=== 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:312-869-7800

Emergency Phone Num:312-869-7800

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

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

Ingred Name:MERCURY

(SARA III)  
CAS:7439-97-6  
RTECS #:OV4550000  
Fraction by Wt: 100%  
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

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Hazards Identification  
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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  
THROUGH SKIN CAUSING ANURIA. EYE:IRRITATION, CORNEAL INJURY OR  
BURNS. INGESTION: IMMEDIATE N  
ECROSIS IN MOUTH, THROAT, ESOPHAGUS &  
STOMACH. DEATH MAY OCCURE. INHALATION :DYSPNEA, COUGH, FEVER,  
NAUSEA & VOMITING, DIARRHEA, STOMATITIS, SALIVATION & METALLIC  
TASTE. CHRONIC: CNS DISTURBANCES.  
Explanation of Carcinogenicity:MERCURY IS NOT LISTED BY IARC, NTP, OR  
OSHA AS A CARCINOGEN.  
Effects of Overexposure:TREMORS, CONVULSIONS & OTHER CNS DISTURBANCES,  
PNEUMONITIS, CHEST PAINS, DYSPNEA, COUGHING, STOMATITIS, GINGIVITIS  
AND LOOSENING OF TEETH, SALIVATION, LOSS OF MEMO  
RY, METALLIC TASTE,  
DIZZINESS, CLUMSI NESS, SLURRED SPEECH, DIARRHEA, PAIN & NUMBNESS  
IN EXTREMITIES, NEPHRITIS, ANXIETY, HEADACHE, WEIGHT LOSS, AND  
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  
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First Aid:INHALATION:REMOVE TO FRESH AIR. IF NOT BREATHING GIVE  
CPR/OXYGEN. GET M  
EDICAL ATTENTION. EYE:IMMEDIATELY FLUSH WITH  
PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL  
ATTENTION. SKIN:REM OVE CONTAMINATED CLOTHING. WASH SKIN WITH  
PLENTY OF SOAP & WATER. INGESTION:GET IMMEDIATE MEDICAL ATTENTION.  
GASTRIC LAVAGE WITH A 5% SOLUTION OF SODIUM FORMALDEHYDE  
SULFOXYLATE.

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Fire Fighting Measures  
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Flash Point:NONE  
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER  
FOG.  
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:CONTAINERS MAY BURST WHEN EXPOSED TO HEAT OF FIRE. USE WATER IN FLOODING AMOUNTS AS A FOG. AVOID BREATHING CORROSIVE AND POISONOUS VAPORS. KEEP UPWIND.

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

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 PREPLACEMENT AND 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 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: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:OBSERVE GOOD PERSONAL HYGIENE PRACTICES

CES 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:SILVER-WHITE,HEAVY MOBILE LIQUID METAL, NO ODOR

Percent Volatiles by Volume:0

===== Stability and Rea  
ctivity Data =====

Stability Indicator/Materials to Avoid:YES

ACETYLINIC COMPOUNDS; AMMONIA; BORON; DIODOPHOSPHIDE; ETHYLENE OXIDE;  
REACTIVE METALS; METHYL AZIDE; AND OXIDIZERS

Stability Condition to Avoid:DOES NOT IGNITE READILY. FLAMMABLE,  
POISONOUS GASES MAY ACCUMULATE IN TANKS & HOPPER CARS. MAY IGNITE  
COMBUSTIBLES.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS INCLUDE  
TOXIC MERCURY VAPORS AND OXYGEN.

===== Disposal Considerat  
ions =====

Waste Disposal Methods:RETURN TO RECLAMATION CENTER.

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