

MERCURY(METALLIC MERCURY)(QUICK SILVER)

MSDS Number

BHCBH

National Stock Number

6810-00-281-7450

Product Name

MERCURY(METALLIC MERCURY)(QUICK SILVER)

Manufacturer

D F GOLDSMITH CHEMICAL AND METAL CORP

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

D.F.GOLDSMITH CHEMICAL & METAL CORP.

909 PITNER AVE.

EVANSTON , IL 60202

US

Emergency Phone: 708-869-7800

Info Phone: 708-869-7800

Cage: 27368

Contractor

POLYSCIENCES INC

WARRINGTON, PA 18976

US

215-343-6484

Cage: 32939

Ingredients

MERCURY (SARA III)

CAS: 7439-97-6

RTECS: OV4550000

Fraction By Weight: >99%

OSHA PELs, C, 0.1 MG/M3

ACGIH TLV: S, 0.05 MG/M3; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

Hazards

LD50 LC50 Mixture:TLV FOR 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, DIGESTIVE 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 BE AT INCREASED RISK FROM EXPOSURE.

First Aid

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 LAUNDRY BEFORE REUSE. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

Fire Fighting

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

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

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

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.

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

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

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

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