

D.F.GOLDSMITH CHEMICAL & METAL CORP. -- MERCURY(PART OF A KIT UNIT) -- 4910-00-075-4889

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Product Identification  
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Product ID:MERCURY(PART OF A KIT UNIT)

MSDS Date:10/10/1986

FSC:4910

NIIN:00-075-4889

Kit Part:Y

MSDS Number: BCXLG

=== 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:3

12-869-7800

Emergency Phone Num:312-869-7800

CAGE:27368

=== Contractor Identification ===

Company Name:ALLIED INDUSTRIES

Address:3840 VISCOUNT SUITE 15

Box:City:MEMPHIS

State:TN

ZIP:38118-6023

Country:US

Phone:901-365-3936

CAGE:4T858

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:KENT-MOORE TOOL GROUP SUB OF SEALED POWER CORP

Address:28635 MOUND RD

Box:City:WARREN

State:MI

ZIP:48

092-3499  
Country:US  
CAGE:33287

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Composition/Information on Ingredients  
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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: SKI  
N:IRRITATION. ABSORBED

THROUGH SKIN CAUSING ANURIA. EYE:IRRITATION, CORNEAL INJURY OR  
BURNS. INGESTION:IMMEDIATE NECROSIS 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:NOT LISTED

Effects of Overexposure:TREMORS, CONVULSIONS & OTHER CNS DISTURBANCES,  
PNEUMONITIS, CHEST PAINS, DYSPNEA, COUGHING, STOMATI  
TIS, GINGIVITIS

AND LOOSENING OF TEETH, SALIVATION, LOSS OF MEMORY, 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:INHALAT

ION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR/OXYGEN. GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF SOAP & WATER. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. A 5% SOLUTION OF SODIUM FORMALDEHYDE SULFOXYLATE MAY BE USED TO INDUCE VOMITING.

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

Flash Point:

NONE

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:NONE FLAMMMABLE;USE WATERFOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL IF APPLICABLE.

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:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS VAPORS/MIST.AVOID BREATHING VAPORS.

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===== 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

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

Handling and Storage Precautions:STORE IN SEALED UNBREAKABLE POL

YETHYLENE 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.

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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:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:SEPARATE WORK AND STREET CLOTHING. STORE WORK CLOTHING IN SPECIAL LOCKERS. SHOW UP BEFORE CHANGING TO STREET CLOTHES.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health  
SEE ADDITIONAL DATA

===== 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

Percent Volatiles by

Volume:NEG

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

Stability Indicator/Materials to Avoid:YES

AVOID AIR,NON-FERROUS METALS- COPPER,ALUMINUM,ETC.

Stability Condition to Avoid:HIGH TEMPERATURES

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

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

Waste Disposal Methods:DO NOT DISCARD! RETURN TO SUPPLIER FOR RECLAIM.

===== MSDS T

ransport Information =====

Transport Information:ITEM IS P/N J-7333-13,A COMPONENT OF P/N  
J-7436-02 DIESEL ENGINE TEST KIT. PER MFR:KIT DISCONTINUED 1980.  
IMO DOES NOT REGULATE MERCURY IN QUANTITIES< OR = 1 KG, IF  
CONTAINED IN AN ARTICLE/INSTRUMENT. BOTTLE CONTAINS 10 OZ OF  
MERCURY. TOTAL WEIGHT OF MERCURY PLUS BOTTLE IS 1 LB.

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ment

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