

FISHER SCIENTIFIC, CHEMICAL DIV. -- MERCURY -- 6685-00-851-4577

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

Product ID:MERCURY

MSDS Date:12/12/1997

FSC:6685

NIIN:00-851-4577

MSDS Number: CCMRF

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100 OR 201-796-7523

Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)

Chemtrec Ind/Phone:(800)424-9300

CAGE:1B

464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

Company Name:FISHER SCIENTIFIC COMPANY

Address:52 FADEM ROAD.DOMESTIC DIVISION

City:SPRINGFIELD

State:NJ

ZIP:07081

Country:US

Phone:201-796-7100

CAGE:94480

Company Name:WHEELER BROS INC

Address:384 DRUM AVE

Box:737

City:SOMERSET

State:PA

ZIP:15501-0737

Country:US

Phone:814-443-7000

CAGE:55683

Company N

ame:WHEELER BROTHERS INC
Address:INDUSTRIAL PARK, DRUM AVE
Box:737
City:SOMERSET
State:PA
ZIP:15501-2136
Country:US
Phone:814-445-9641
Contract Num:SP0400-99-A-AA36-0480
CAGE:2B144

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

Ingred Name:MERCURY (SARA 313) (CERCLA)
CAS:7439-97-6
RTECS #:OV4550000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C, 0.1 MG/M3; Z-2
ACGIH TLV:S,0.025 MG/M3; A4;96
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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ds Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYE-MAY CAUSE SEVERE IRRITATION &
POSSIBLE EYE BURNS. VAPORS MAY CAUSE EYE IRRITATION. SKIN-MAY CAUSE
SKIN IRRITATION. INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION.
INHALATION-CAUSES RESPIRATORY TR ACT IRRITATION. INHALATION OF
FUMES MAY CAUSE METAL FUME FEVER. MAY CAUSE CENTRAL NERVOUS SYSTEM

EFFECTS. CHRONIC: CHRONIC EXPOSURE TO MERCURY MAY CAUSE CENTRAL
NERVOUS SYSTEM DAMAGE, FATIGUE, WEIGHT LOSS, TREMORS, PEROSNALITY
CHANGES.
Explanation of Carcinogenicity:MERCURY IS LISTED BY IARC AS A GROUP 3
(INSUFFICIENT EVIDENCE) CARCINOGEN.
Effects of Overexposure:SKIN-CHRONIC EXPOSURE TO MERCURY MAY CAUSE
PERMANENT CENTRAL NERVOUS SYSTEM DAMAGE, FATIGUE, WEIGHT LOSS,
TREMORS, PEROSNALITY CHANGES. INGESTION-MAY CAUSE NAUSEA, VOMITING
AND DIARRHEA. INHALATION-MA

Y CAUSE FLU-LIKE SYMPTOMS WITH METALLIC TASTE, FEVER, CHILLS, COUGH, WEAKNESS, CHEST PAIN, MUSCLE PAIN AND INCREASED WHITE BLOOD CELL COUNT. MAY CAUSE VERTIGO, ANXIETY, DEPRESSION, MUSCLE INCOORDINATI ON AND EMOTIONAL INSTABILITY.

===== First Aid Measures =====

First Aid:EYE-IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MIN, OCCASIONALLY LIFTING THE UPPER & LOWER LIDS. GET MEDICAL AID IMMEDIATELY. SKIN-GET MEDICAL AID. IMMEDIATELY FLUSH SKIN WITH PLENTY OF SOAP & WATER FOR 15 MIN. INGESTION-NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL AID IMMEDIATELY. WASH MOUTH OUT WITH WATER. INHALATION-REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL AID. NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

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

Extinguishi

ng Media:SUBSTANCE IS NONFLAMMABLE, USE AGENT MOST APPROPRIATE TO EXTINGUISH SURROWATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE IN FLOODING AMOUNTS.

Fire Fighting Procedures:AS AN ANY FIRE, WEAR A SELF CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND. MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:COMBUSTION GENERATES TOXIC FUMES.

===== Accidental Release Measures =====
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Spill Release Procedures:VACUUM OR SWEEP UP MATERIAL & PLACE INTO SUITABLE DISPOSAL CONTAINER. WEAR A SELF CONTAINED BREATHING APPARATUS & APPROPRIATE PERSONAL PROTECTION

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

Handling and Storage Precautions:WASH THOROUGHLY AFTER HANDLING REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. USE WITH ADEQUATE VENTLATION. MINIMIZE DUST GENERATION AND ACCOMULATION. AVOID BREATHING DUST, VAPOR, MIST, OR G

AS. A VOID CONTACT WITH EYES, SKIN

AND CLOTHING. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:ANTIDOTE: THE USE OF D-PENICILLAMINE AS A CHELATING AGENT SHOULD BE DETERMINED BY QUALIFIED MEDICAL PERSONNEL. THE USE OF DIMERCAPROL OR BAL (BRITISH ANTI-LEWISITE) AS A CHELATING AGENT SHOULD BE DETERMINED BY QUALIFIED MEDICAL PERSONNEL.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 2

9 CFR 1910.134. OR EUROPEAN STANDARD EN 149. ALWAYS USE A NIOSH OR EUROPEAN STANDARD EN 149 APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:USE PROCESS ENCLOSURE OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:APPROPRIATE GLOVES TO PREVENT SKIN EXPOSURE.

Eye Protection:APPROPRIATE PROTECTIVE EYE GLASSES OR CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURES.

Work Hygienic Practices:WASH HANDS AFTER

HANDLING AND BEFORE EATING,

DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

ENGINEERING CONTROLS: USE ADEQUATE VENTILATION OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW THE PERMISSIBLE EXPOSURE LIMITS.

===== Physical/Chemical Properties =====

HCC:Z2

Boiling Pt:=356.7C, 674.F

Melt/Freeze Pt:=-38.7C, -38.F

Vapor Pres:0.002@25C

Vapor Density:7.0

Spec Gravity:13.59

Viscosity:1.5.5 MP @2

5C

Solubility in Water:INSOLUBLE

Appearance and Odor:LIQUID, SILVER, ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

ACETYLENE, AMMONIA, BORON, PHOSPHODIPHOSPHIDE, CHLORINE CHLORINE DIOXIDE, METHYL AZIDE, SODIUM CARBIDE, HALOGENS, STRONG OXIDIZERS.

Stability Condition to Avoid:STABLE UNDER NORMALTEMPERATURES AND

PRESSURES. HIGH TEMPERATURES, INCOMPATIBLE MATERIALS, METALS.

Hazardous Decomposition Products:MERCURY AND

MERCURY OXIDES.

Conditions to Avoid Polymerization:HAS NOT BEEN REPORTED.

===== Toxicological Information =====

Toxicological Information:CAS# 7439-97-6. MERCURY- ACGIH: AS HG: A4-NOT CLASSIFIED AS A HUMAN CARCINOGEN. IARC: GROUP 3 CARCINOGEN LISTED AS MERCURY, ARYL AND INORGANIC.

===== Ecological Information =====

Ecological:ECOTOXICTY-MARINE FISH (SALT WATER) TLM=0.29PPM/48H. CATFISH LC50=0.35 MG/L/96 H. MOLLUSK LC 50=0.10PPM/96H. TADPOLE LC50=0.51PPM/96H. ENVIRONMENTAL FATE: SUBSTANCE HAS POTENTIAL TO BIOCONCENTRATE IN A QUATIC ORGANISMS. ON SOIL, SUBSTANCE IS SUSPECT TO VOLITILIZE RAPIDLY. IN WATER SUBSTANCE BINDS TO PARTICULATES & COLLECTS IN THE SEDIMENTS.

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

Waste Disposal Methods:DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE & LOCAL REGULATIONS. RCRA D-SERIES MAXIMUM CONCENTRATION OF CONTAMINANTS: CAS# 7439-97-6; WASTE NUMBER D009; REGULATORLY LEVEL 0.2 MG/L. RCRA D-SE RIES CHRONIC TOXICITY REFERENCE LEVELS: CAS# 7439-97-6; CHRONIC TOXICITY REFERENCE LEVELS=0.002 MG/L . RCRA U-SERIES: CAS# 7439-97-6; WASTE # U151.

===== MSDS Transport Information =====

Transport Information:US DOT: SHIPPING NAME: RQ, MERCURY. HAZARD CLASS: 5. UN NUMBER: UN2809. PACKING GROUP: 1.

===== Regulatory Information =====

SARA Title III

Information:SECTION 302(RQ): CAS#7439-97-6 : FINAL RQ=1 POUND (0.454 KG). SARA CODES: CAS#7439-97-6 : ACUTE, CHRONIC. Federal Regulatory Information:CAS#7439-97-6 IS LISTED ON THE TSCA INVENTORY.

State Regulatory Information:CALIFORNIA, NEW JERSEY, FLORIDA, PENNSYLVANIA, MINNESOTA, MASSACHUSETTS.

===== Other Information =====

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