

CONNECTICUT VALLEY INDUSTRIES INC -- MERCURY -- 6685-00-242-2183

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

Product ID:MERCURY

MSDS Date:01/01/1987

FSC:6685

NIIN:00-242-2183

MSDS Number: BZNHL

=== Responsible Party ===

Company Name:CONNECTICUT VALLEY INDUSTRIES INC

Address:16 PLAINS RD

City:ESSEX

State:CT

ZIP:06426-1501

Country:US

Info Phone Num:203-767-9051

Emergency Phone Num:860-388-0822

Preparer's Nam

e:F. KEVIN REILLY

CAGE:55560

=== Contractor Identification ===

Company Name:CONNECTICUT VALLEY INDUSTRIES INC

Address:8 CENTER ROAD

Box:City:OLD STAYBROOK

State:CT

ZIP:06475

Country:US

Phone:860-388-0822/FAX: 860-388-1651

CAGE:55560

===== 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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===== Hazards Identification =====

LD50 LC50 Mixture:28 MG/M3 IDLH
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION MAY CAUSE
IRRITATION, SENSITIZATION, IS A NEUROTOXIN & NEPHROTOXIN. SKIN/EYE
CONTACT MAY CAUSE SENSITIZATION & IS A NEUROTOXIN/NEPHROTOXIN IF
ABSORBED. INGESTED MERCURY IS A NEUROTOX IN & NEPHROTOXIN.
CHRONIC:
PROLONGED OR REPEATED EXPOSURE MAY CAUSE DEMATITIS, SENSITIZATION,
MERCURIALISM, KIDNEY DAMAGE
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALED-CHEST PAIN, TIGHTNESS, SUDDEN ONSET OF
THIRST, SWEET-METALLIC OR FOUL TASTE, COUGHING, DRYNESS OF MUCOUS
MEMBRANES, SEVERE HEADACHE, NAUSEA, VOMITING, PROFUSE SWEATING,
EXAGGERATED MENTAL ACTIVITY. SKIN IRRITATION.
EYES-IRRITATION.INGESTED-BRUNING OF MOUTH/THROAT, NAUSEA,
VOMITING, OTHERS SIMILAR TO INHALATION
Medical Cond Aggravated by Exposure:CHRONIC RESPIRATORY DISEASE,
NERVOUS SYSTEM DISORDERS AND KIDNEY DISEASE.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR
15 MINUTES, LIFT LIDS. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH
MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. ADMINIS
TER OXYGEN
OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-CONTACT POISON
CONTROL CENTER AND OBTAIN IMMEDIATE MEDICAL ATTENTION. MAINTAIN
BLOOD PRESSURE AND AIRWAY. MEDICAL PERSONNEL-PERFORM GASTRIC LAVAGE
OR EMESIS.

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

Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, STANDARD
FOAM.
Fire Fighting Procedures:MOVE CONTAINERS FROM FIRE IF POSSIBLE. WEAR
SELF-CONTAINED BREATHING APPARATUS AND FULL

FIRE FIGHTER'S

PROTECTIVE GEAR. USE WATER IN FLOODING AMOUNTS.

Unusual Fire/Explosion Hazard: NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. AVOID BREATHING CORROSIVE AND POISONOUS VAPORS, KEEP UPWIND.

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

Spill Release Procedures: DO NOT TOUCH SPILLED MATERIAL. ISOLATE & DENY ENTRY. WEAR PROPER PERSONAL PROTECTION. STOP LEAK IF NO RISK. TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE IN CONTAINERS

FOR LATER DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE IN A COOL, DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions: REPORTABLE QUANTITY: 1 POUND. SARA III SECTION 304 SAYS IF MORE THAN RQ IS SPILLED; SPILL MUST BE REPORTED TO LEPC AND NATIONAL RESPONSE CENTER AT 800-424-8802.

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

Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH MERCURY VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation: PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves: APPROPRIATE GLOVES TO PREVENT CONTACT.

Eye Protection: SAFETY GOGGLES + FACESHIELD.

Other Protective Equipment: EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices: WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

ANTIDOTE: GIVE DIMERCAPROL, 3 MG/KG, EVERY 4 HOURS FOR 1ST 2 DAYS, THEN 2 MG/KG EVERY 12 HRS FOR A TOTAL OF 10 DAYS. HEMODIALYSIS WILL SPEED REMOVAL OF THE MERCURY-DIMERCAPROL COMPLEX. PENICILLAMINE IS ALSO EFFECTIVE. GIVE UP TO 100 MG/KG/DAY DIVIDED INTO 4 DOSES FOR NO LONGER THAN 1 WEEK.

CHELATE UNTIL HG-URINE