

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 Name:  
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

===== 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 ORREPEATED 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  
MEMEBRANES, SEVERE HEADACHE, NAUSEA, VOMITING, PROFUSE SWEATING,  
EXAGGERATED MENTAL ACT IVITY. SKIN IRR  
ITATION.  
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.

===== 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 AR TIFICIAL 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.

===== 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