

COLUMBUS CHEMICAL INDUSTRIES INC -- MERCURY -- 6810-00-281-7452

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Product Identification  
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Product ID:MERCURY  
MSDS Date:05/01/1994  
FSC:6810  
NIIN:00-281-7452  
MSDS Number: CBQHT  
=== Responsible Party ===  
Company Name:COLUMBUS CHEMICAL INDUSTRIES INC  
Address:N 4335 TEMKIN RD  
City:COLUMBUS  
State:WI  
ZIP:53925  
Country:US  
Info Phone Num:414-623-2140 / FAX 414-623-2577  
Emergency Phone Num:414-623-2140  
CAGE:5Y144  
=== Contractor Identification ===  
Company Name:COLUMBUS CHEMICAL INDUSTRIES INC  
Address:N 4335 TEMKIN RD  
Box:8  
City:COLUMBUS  
State:WI  
ZIP:53925-0008  
Country:US  
Phone:920-623-2140  
CAGE:5Y144

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Composition/Information on Ingredients  
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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  
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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 OF VAPORS/MISTS MAY CAUSE IRRITATION, SENSITIZATION AND NEUROTOXICITY. SKIN CONTACT MAY CAUSE IRRITATION, SENSITIZATION, NEUROTOXICITY AND NEPHROTOXICITY. EYE CONTACT MAY CAUSE IRRITATION, CORNEAL INJURY OR BURNS.

INGESTION MAY CAUSE NEUROTOXICITY AND NEPHROTOXICITY. CHRONIC: SEE SUPPLEMENTAL.....

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-DYSPNEA,COUGH,FEVER,NAUSEA,VOMITING,DIARRHEA,STOMATITIS,SALIVATION,METALLIC TASTE,BRONCHITIS,PNEUMONIA,PULMONARY EDEMA,ACIDOSIS,RENAL DAMAGE.SKIN-REDNESS,IRRITATION;SEE INHALED(ABSORPTION).EYES-IRRITATION,BURNS.

INGESTED-NECROSIS

OFMOUTH,THROAT,ESOPHAGUS,STOMACH;VIOLENT PAIN,PROFUSE VOMITING,DEATH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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First Aid:EYES-FLUSH WITH WATER FOR 15 MINUTES,LIFT LIDS.SKIN-REMOVE CONTAMINATED CLOTHES.WASH WITH MILD SOAP & WATER.INHALED-REMOVE TO FRESH AIR.ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED.INGESTED-SEEK MEDICAL ATTENTION.GASTRIC LAVAGE W/

5%

SOLUTION OF SODIUM FORMALDEHYDE SULFOXYLATE,FOLLOWED BY 2% SODIUM BICARBONATE & FINALLY LEAVE 230 CC OF SODIUM FORMALDEHYDE SULFOXYLATE IN STOMACH.

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Fire Fighting Measures  
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Flash Point:NONE

Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & FULL FIRE FIGHTER'S PROTECTIVE GEAR. USE WATER TO COOL FIRE EXPOSED CONTAINERS. MOVE CONTAINERS FROM AREA I

F POSSIBLE.

Unusual Fire/Explosion Hazard:USE WATER IN FLOODING AMOUNTS AS A FOG.  
AVOID BRETAHING CORROSIVE AND POISONOUS VAPORS. KEEP UPWIND.

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

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

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURE  
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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE IN CLOSED, UNBREAKABLE CONTAINERS AWAY FROM SOURCES OF HEAT. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:MERCURY EVAPORATES VERY SLOWLY. SPILLED MERCURY FORMS MANY TINY GLOBULES THAT WILL EVAPORATE FASTER THAN A SINGLE POOL AND CAN DEVELOP A SIGNIFIGANT CONCENTRATION OF VAPORS IN AN UNVENTILATED AREA. SU CH VAPORS ARE POISONOUS.

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

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

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. PROVIDE

PREPLACEMENT AND PERIODIC MEDICAL EXAMS FOR THOSE EXPOSED ON REGULAR BASIS.

Work Hygienic Practices:WASH HANDS AFTER HANDLING & BEFORE EATING, DRINKING, USING TOILET OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE VISUAL DISTURBANCES, MERCURIALISM., DERMATITIS, ANURIA. NOTE: PHYSICAL EXAMS SHOULD PLACE EMPHASIS ON CNS, SKIN, LUNGS, LIVER, KIDNEYS & GI TRACT.

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

HCC:T6

Boiling Pt:=357.2C, 675.F

Melt/Freeze Pt:=-38.9C, -38.F

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.

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

Stability Indicator/Materials to Avoid:YES

ACETYLINIC CMDS, AMMONIA, BORON, DIIODOPHOSPHIDE, ETHYLENE OXIDE,  
METALS, METHYL AZIDE, METHYLSILANE, OXYGEN, OXID  
IZERS

Stability Condition to Avoid:DOES NOT READILY IGNITE. FLAMMABLE

POISONOUS GASES MAY ACCUMULATE IN TANKS AND HOPPER CARS. MAY IGNITE  
COMBUSTIBLES.

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

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

Waste Disposal Methods:DLA-HMIS: DISPOSE OF IN ACCORDANCE WITH LOCAL,  
STATE AND FEDERAL ENVIRONMENTAL REGULATIONS. EPA/RCRA HAZWASTE  
NUMBER=D009.

Discl

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