

MERCURY WASTE SOLUTIONS INC -- MERCURY -- 6685-00-515-4817

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

Product ID:MERCURY  
MSDS Date:11/19/1998  
FSC:6685  
NIIN:00-515-4817  
Status Code:A  
MSDS Number: CJFVH  
=== Responsible Party ===  
Company Name:MERCURY WASTE SOLUTIONS INC  
Address:21211 DURAND AVE  
City:UNION GROVE  
State:WI  
ZIP:53182  
Country:US  
Info Phone Num:800-741-3343  
Emergency Phone Num:800-741-3343  
Chem  
trec Ind/Phone:(800)424-9300  
CAGE:TO046  
=== Contractor Identification ===  
Company Name:MERCURY REFINING CO, INC  
Address:26 RAILROAD AVE  
Box:00000  
City:ALBANY  
State:NY  
ZIP:12205  
Country:US  
Phone:518-459-0820  
CAGE:0SDN9  
Company Name:MERCURY WASTE SOLUTIONS INC  
Address:21211 DURAND AVE  
Box:City:UNION GROVE  
State:WI  
ZIP:53182  
Country:US  
Phone:800-741-3343  
CAGE:TO046

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

Ingred Name:MERCURY (SARA III); IN THERMOMETER  
CAS:7439-97-6  
RTE

CS #:OV4550000  
Fraction by Wt: 100%  
Other REC Limits:0.05 MG/M3 TWA 10 HR  
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

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

LD50 LC50 Mixture:NOT LISTED  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS- BLOOD, CENTRAL NERVOUS  
SYSTEM. EYES:MAY CAUSE SEVERE IRRITATION & POSSIBLE  
BURNS. SKIN:MAY  
CAUSE IRRITATION. MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL  
AMOUNTS. MAY CAUSE SENSITIZATION . CHRONIC EXPOSURE TO MERCURY MAY  
CAUSE PERMANENT CENTRAL NERVOUS SYSTEM DAMAGE. INGESTION:MAY CAUSE  
GASTROINTESTINAL IRRITATION. MAY CAUSE EFFECTS SIMILAR TO  
INHALATION. INHALATION:CAUSES RESPIRATORY TRACT IRRITATION. MAY  
CAUSE METAL FUME FEVER. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.  
CHRONIC-MAY CAUSE PERMANENT CENTRAL NERVOUS SYSTEM DAMAGE.

Explanation

of Carcinogenicity:IARC LISTS MERCURY, ARYL AND INORGANIC  
AS A GROUP 3 CARCINOGEN. GROUP 3 MEANS THAT THE AGENT IS NOT  
CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS.

Effects of Overexposure:EYES: SEVERE IRRITATION AND POSSIBLE BURNS.  
SKIN: FATIGUE, WEIGHT LOSS, TREMORS, PERSONALITY CHANGES.  
INGESTION: NAUSEA, VOMITING AND DIARRHEA. INHALATION: FLU-LIKE  
SYMPTOMS WITH METALLIC TASTE, FEVER, CHILLS, COUGH, WEAKNESS,  
CHEST PAIN, MUSCLE PAIN AND INCREASED WHITE BLOOD C

ELL COUNT. MAY  
CAUSE VERTIGO, ANXIETY, DEPRESSION, MUSCLE INCOORDINATION, AND  
EMOTIONAL INSTABILITY. CHRONIC- FATIGUE , WEIGHT LOSS, TREMORS,  
PERSONALITY CHANGES.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15  
MIN. WHILE LIFTING EYELIDS. SKIN: GET MEDICAL AID. IMMEDIATELY  
FLUSH WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MIN WHILE  
REMOVING CONTAMINATED CLOTHING AND SHOES. I

NGESTION: GET MEDICAL

AID IMMEDIATELY. WASH MOUTH OUT WITH WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL AID.

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

Flash Point:NONFLAMMABLE

Extinguishing Media:SUBSTANCE IS NONFLAMMABLE, USE AGENT MOST APPROPRIATE TO EXTINGUISH SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR PROTECTIVE CLOTHING AND 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 =====

Spill Release Procedures:USE PROPER PERSONAL PROTECTIVE EQUIPMENT.

VACUUM OR SWEEP UP MATERIAL AND PLACE INTO A SUITABLE DISPOSAL CONTAINER. WEAR

A SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PERSONAL PROTECTION.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES. KEEP AWAY FROM METALS.

POISON ROOM LOCKED. WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. AVOID BREATHING DUST, VAPOR, MIST, OR GAS. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:MINIMIZE

DUST GENERATION AND ACCUMULATION.

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

Respiratory Protection:FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 29 CFR 1910.134 OR EUROPEAN STANDARD EN 149. ALWAYS USE A NIOSH OR EUROPEAN STANDARD EN 149 APPROVED RESPIRATOR WHEN NECESSARY,

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

Protective Gloves:WEAR GLOVES TO PREVENT SKIN EX

## POSURE

Eye Protection:WEAR PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES  
PER OSHA EYE PROTECTION

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

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. AVOID  
BREATHING DUST, VAPOR MIST OR GAS. AVOID CONTACT WITH EYES SKIN  
AND CLOTHING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

Supplemental Safety and Health

KEEP CONTAINER TIGHTLY CLOSED. AVOID INGESTION AND INHALATION. STORE

IN A COOL DRY WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE  
SUBSTANCES. KEEP AWAY FROM METALS. POISON ROOM LOCKED.

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

HCC:Z2

Boiling Pt:=356.5C, 673.7F

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

Vapor Pres:0.002 MMHG

Vapor Density:7.0

Spec Gravity:13.54

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER - WHITE LIQUID METAL, ODORLESS

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

Stability Indicator/Mate

rials to Avoid:YES

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

Stability Condition to Avoid:ELEVATED TEMPERATURES AND OPEN FLAMES.

Hazardous Decomposition Products:TOXIC MERCURY VAPORS / MERCURY OXIDES.

## ===== Toxicological Information =====

Toxicological Information:TERATOGENICITY: EMBRYO OR FETUS:  
FETOTOXICITY, INHALATION-RAT TCLO=1 MG/M3/24H.

## ===== MSDS Transport Informatio

n =====

Transport Information:US DOT SHIPPING NAME: MERCURY, UN2809.

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

SARA Title III Information:THIS MATERIAL CONTAINS MERCURY WHICH IS  
SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE  
III AND 40 CFR PART 373.

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

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