

BETHLEHEM APPARATUS CO -- MERCURY -- 6810-00-281-7452

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

Product ID:MERCURY
MSDS Date:08/18/1988
FSC:6810
NIIN:00-281-7452
MSDS Number: BHXYF
=== Responsible Party ===
Company Name:BETHLEHEM APPARATUS CO
Address:890 FRONT ST
Box:Y
City:HELLERTOWN
State:PA
ZIP:18055-1507
Country:US
Info Phone Num:215-838-7034
Emergency Phone Num:215-838-7034
Preparer's Name:BRUCE LAW
RENCE
CAGE:89399
=== Contractor Identification ===
Company Name:BETHLEHEM APPARATUS CO
Address:890 FRONT ST
Box:City:HELLERTOWN
State:PA
ZIP:18055
Country:US
Phone:610-838-7034
CAGE:89399
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

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

Ingred Name:MERCURY (SARA III)
CAS:7439-97-6
RTECS #:OV4550000
Fraction by Wt: 100.0

%
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 =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: SKIN:IRRITATION. ABSORBED
THROUGH SKIN CAUSING ANURIA. EYE:IRRITATION, CORNEAL INJURY OR
BURNS. INGESTION:IMMEDIATE NECROSIS IN MOUTH, THROAT, ESOPHAGUS &
STOMACH. DEATH MAY OC
CURE. INHALATION: DYSPNEA, COUGH, FEVER,
NAUSEA & VOMITING, DIARRHEA, STOMATITIS, SALIVATION & METALLIC
TASTE. CHRONIC: CNS DISTURBANCES.
Explanation of Carcinogenicity:DATA PER MSDS
Effects of Overexposure:TREMORS, CONVULSIONS & OTHER CNS DISTURBANCES,
PNEUMONITIS, CHEST PAINS, DYSPNEA, COUGHING, STOMATITIS, GINGIVITIS
AND LOOSENING OF TEETH, SALIVATION, LOSS OF MEMORY, METALLIC TASTE,
DIZZINESS, CLUMSI NESS, SLURRED SPEECH, DIARRHEA, PAIN & NUMBNESS
IN EXTREMITIES, NEPH
RITIS, ANXIETY, HEADACHE, WEIGHT LOSS, AND
INSOMNIA.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF
ALCOHOLISM, CHRONIC KIDNEY DISEASE OR KNOWN ALLERGY TO MERCURY MAY
BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE
CPR/OXYGEN. GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES WITH
PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET M
EDICAL
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASHSKIN WITH
PLENTY OF SOAP & WATER. INGESTION: GET IMMEDIATE MEDICAL ATTENTION.
A 5% SOLUTION OF SODIUM FORMALDEHYDE SULFOXYLATE MAY BE USED TO
INDUCE VOMITING.

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

Flash Point:NONE
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMEN

T WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE
PRODUCTION OF CORROSIVE OR POISONOUS VAPORS.

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

Spill Release Procedures:SMALL SPILL: PICK UP WITH VACUUM EQUIPMENT
SPECIFICALLY DESIGNED FOR MERCURY PICK UP OR USE MERCURY SPILL KIT.
LARGE SPILL: EVACUATE AND VENTILATE AREA. IF POSSIBLE, STOP LEAK.
DIKE TO RETAIN. VACUUM UP FREE LIQUID. DO NOT TOUCH SPILLED
MATERIAL.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN SEALED UNBREAKABLE
POLYETHYLENE CONTAINERS IN A COOL, DRY, WELL VENTILATED AREA AWAY
FROM HEAT. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.
Other Precautions:THIS CHEMICAL IS SUBJECT TO SARA SECTION 313
REPORTING. PROVIDE PREPLACEMENT AND PERIODIC MEDICAL EXAMS FOR
THOSE REGULARLY EXPOSED TO MERCURY, WITH EMPHASIS ON CNS, SKIN,
LUNGS, LIVER, KIDNEYS AND G. I. TRACT.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION
EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS AS
PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND
NIOSH-RESPIRATOR DECISION LOGIC-PUBLICATION NUMBER 87.108.
Ventilation:PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENTILATION IN
PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.
Protective Gloves:RUBBER
Eye Protection:CHEMICAL SAFETY GOGGLES
Other Protective Equipment:SEPARATE WORK AND STREET CLOTHING. STORE
WORK CLOTHING IN SPECIAL LOCKERS. SHOWER BEFORE CHANGING TO STREET
CLOTHES.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.
Supplemental Safety and Health
DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS.

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

I Properties =====

HCC:T6

Boiling Pt:=673.9C, 1245.F

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

Vapor Pres:0.002MMHG

Vapor Density:7.0

Spec Gravity:13.5939

Solubility in Water:INSOUBLE

Appearance and Odor:ODORLESS,SILVERY LIQUID WITH A METALLIC LUSTER.

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

Stability Indicator/Materials to Avoid:YES

AL,ACETYLENE,AMINES,COPPER OR ITS ALLOYS NITRIC ACIDS.

Stability Condition to Avoid:HIGH TEMPERATURES

Hazardous Decomposition Products

ts:THERMAL DECOMPOSITION PRODUCTS INCLUDE

TOXIC MERCURY VAPORS AND MERCURY OXIDES.

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

Waste Disposal Methods:DO NOT INCINERATE - RETURN TO RECLAMATION CENTER.

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