

ADROW CHEMICAL CO. -- MERCURY -- 6685-00-245-7696

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Product Identification  
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Product ID:MERCURY  
MSDS Date:06/01/1989  
FSC:6685  
NIIN:00-245-7696  
MSDS Number: BLWGB  
=== Responsible Party ===  
Company Name:ADROW CHEMICAL CO.  
Address:2 LINES AVE.  
City:WANAQUE  
State:NJ  
ZIP:07465-1509  
Country:US  
Info Phone Num:201-839-2372  
Emergency Phone Num:201-337-3183/201-427-5273  
CAGE:3F134  
=== Contractor Id  
entification ===  
Company Name:ADROW CHEMICAL CO.  
Address:2 LINES AVE.  
Box:City:WANAQUE  
State:NJ  
ZIP:07465-1509  
Country:US  
Phone:201-337-3183/201-427-5273  
CAGE:3F134  
Company Name:TYCOS INSTRUMENTS INC, A WELCH ALLYN CO  
CAGE:21518

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Composition/Information on Ingredients  
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Ingred Name:NO INGREDIENT FOR THIS FORMULATION\_INGREDIENT

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Car

cinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHALATION OF HIGH LEVELS OF MERCURY VAPOR CAN LIAD TO SEVERE RESPIRATORY IRRITATION, CHEST PAINS AND BREATHING DIFFICULTIES WHICH MAY BE FATAL. DAMAGE TO THE CENTRAL NERVOUS SYSTEM, KIDNEYS AN D LIVER CAN OCCUR. CHRONIC: EXPOSURE TOLOW LEVELS OF MERCURY VAPOR NAY RESULT IN GUM AND MOUTH INFLAMMATION.

Explanation of Carcinogenicity:MERCURY IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Ef

fects of Overexposure:CHRONIC EXPOSURE CAN RESULT IN GUM AND MOUTH INFLAMATION, IRRITABILITY, TREMORS AND STOMATITIS.

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:EYES: WASH THOROUGHLY WITH PLENTY OF WATER FOR 15 MIN. CONSULT A PHYSICIAN. SKIN: WASH AREA THOROUGHLY WITH SOAP AND

WATER. INHALATION: REMOVE PERSON FROM SOURCE OF EXPOSURE TO FRESH AIR. ADMINISTER BREATHING SUPPORT MEASURES, IF NEEDED. INGESTION: ACCIDENTAL SWALLOWING OR INGESTION OF MERCURY IS USUALLY HARMLESS. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND 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 POSSI

BLE, STOP LEAK.

DIKE TO RETAIN. VACUUM UP FREE LIQUID. DO NOT TOUCH SPILLED MATERIAL.

Neutralizing Agent:NONE

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===== 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 REPLACEMENT AND PERIODIC MEDICAL EXAMS FOR

THOSE REGULARLY EXPOSED TO MERCURY, WITH EMPHASIS ON CNS, SKIN, LUNGS, LIVER, KIDNEYS AND G. I. TRACT.

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===== 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.

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

HCC:N1

Boiling Pt:B.P. Text:675F,357C

Melt/Freeze Pt:M.P/F.P Text:-38F,-39C

Vapor Pres:0.0012@20C

Vapor Density:1.015

Spec Gravity:13.5

Evaporation Rate & Reference:TEMP. & PRES. DEPENDENT

Solubility in Water:0.002 GMS/100 GM@20C

Appearance and Odor:SILVERY LIQUID METAL. MOBILE AND ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

HALOGENS, NITRIC ACID, AMM

ONIA GAS, ACETYLENE AND ACETYLENE PRODUCTS.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES  
OF IGNITION

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS INCLUDE  
TOXIC MERCURY.

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

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

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