

ADROW CHEMICAL CO. -- MERCURY -- 6810-00-281-7453

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Product Identification  
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Product ID:MERCURY  
MSDS Date:06/01/1989  
FSC:6810  
NIIN:00-281-7453  
MSDS Number: BMGPM  
=== 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 Identification ===  
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

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Composition/Information on Ingredients  
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Ingred Name:MERCURY, (OSHA PEL LIQUID: S, C, 0.1 MG/M3; VAPOR: 0.05  
MG/M3), (ACGIH TLV LIQUID: S, 0.1 MG/M3; VAPOR 0.05 MG/M3)  
CAS:7439-97-6  
RTECS #:OV4550000  
Fraction by Wt: 100%  
OSHA PEL:SEE INGREDIENT ABOVE  
ACGIH TLV:SEE INGREDIENT ABOVE  
EPA Rpt Qty:1 LB  
DOT

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===== 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: SEVERE RESPIRATORY IRRITATION,  
BREATHING DIFFICULTIES WHICH MAY BE FATAL. DAMAGE TO THE CENTRAL  
NERVOUS SYSTEM, KIDNEYS AND LIVER CAN OCCUR. CHRONIC: GUM AND MOUTH  
INFLAMATION, IRRITABILITY, TR EMORS AND STOMATITIS. DAMAGE TO THE  
KIDNEYS, LIVER AND  
CENTRAL NERVOUS SYSTEM.

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, NEPHRITIS, ANXIETY, HEADACHE, WEIGHT LOSS, AND  
INSOMNIA.

Medical Cond Aggravated by Exposure:PEOPLE WITH LIVER, KIDNEY AND  
NERVOUS SYSTEM DISORDERS SHOULD AVOID EXPOSURE.

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===== 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 MEDICAL  
ATTENTION. S KIN: REMOVE CONTAMINATED CLOTHING. WASHSKIN WITH  
PLENTY OF SOAP & WATER. INGESTION: GET IMMEDIATE MEDICAL ATTENTION.  
A 5% SOLUTION OF SODIUM FORM  
ALDEHYDE SULFOXYLATE MAY BE USED TO  
INDUCE VOMITING.

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

Flash Point:NONE

Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING  
FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:NONE EXPECTED. TOXIC MERCURY VAPORS.

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== Accidental Release Measures =====

Spill Release Procedures:USE APPROPRIATE RESPIRATORY PROTECTION AND PROPER PROTECTIVE CLOTHING. CLEAN UP SPILLS IMMEDIATELY WITH A MERCURY VACUUM CLEANER. DECONTAMINATE AREA WITH A MERCURY DECONTAMINANT. KEEP COLLECTED MERCURY FOR DISPOSAL.

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:CLEAN UP SPILLS AS QUICKLY AND THOROUGHLY AS POSSIBLE.

===== 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:NON-POROUS,NON-ABSORBENT,IMPERVIOUS GLVS

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

WORK CLOTH SHOULD NOT BE CLEANED BY SHAKING. VACUUM BEFORE REMOVAL AND LAUNDRY.

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

HCC:T6

Boiling Pt:B.P. Text:674F,357C

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

Vapor Pres:0.0012

Vapor Density:1.015

Spec Gravity:13.5

Evaporation Rate & Reference: