

ADROW CHEMICAL CO. -- MERCURY VARIOUS GRADES -- 6685-00-761-8601

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

Product ID:MERCURY VARIOUS GRADES

MSDS Date:06/01/1989

FSC:6685

NIIN:00-761-8601

MSDS Number: BSFQD

=== 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

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

Ingred Name:MERCURY (SARA III)

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, 0.05 MG/M3; 9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

===== Ha

zards Identification =====

LD50 LC50 Mixture:INHL RAT TCLO: 890 NG/CUM/24 HRS

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATIONS OF HIGH CONCENTRATIONS OF MERCURY CAN CAUSE KIDNEY, LIVER, AND CENTRAL NERVOUS SYSTEM DAMAGE. ACUTE POISONING THRU INHALATION OF A MASSIVE DOSE IS RARE. CHRONIC EXPOSURE CAN CAUSE NERVOUS SYSTEM DAMAGE, KIDNEY AND LIVER DAMAGE.

Explanati

on of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%

OR GREATER IS LISTED AS A CARCINOGEN OR SUPECTED CARCINOGEN.

Effects of Overexposure:EXCESSIVE SALIVATION, GI TRACT DISTURBANCES, WEAKNESS, COUGH, FEVER, TREMORS, IRRATABILITY AND METALLIC TASTE IN MOUTH. REDNESS AND ITCHING OF SKIN AND EYES.

Medical Cond Aggravated by Exposure:PERSONS WITH A LIVER, KIDNEY OR NERVOUS SYSTEM DISORDERS SHOULD AVOID EXPOSURE.

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

First Aid:EYES: IMMEDIATE AND PROLONGED FLUSHING WITH LOTS OF WATER WHILE HOLDING EYELIDS OPEN. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHES. WASH AREA WITH LOTS OF SOAP AND WATER. INHALED: REMOVE PERSON TO FR ESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION OR OXYGEN. GET IMMEDIATE MEDICAL ATTENTION. INGESTED: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONFLAMMABL

E

Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:MERCURY IS NOT COMBUSTIBLE, BUT WILL VAPORIZE RAPIDLY WHEN HEATED, CREATING TOXIC FUMES.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE CLOTHING, INCLUDING RESPIRATOR. TAKE UP WITH MERCURY VACUUM AND PROPERLY DISPOSE OF RESIDUE.

Ne

utralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINERS TIGHTLY CLOSED AND
STORE IN A COOL, DRY AREA AWY FROM FIRE HAZARDS.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR DURING
EMERGENCIES USE NIOSH/MSHA APPROVED RESPIRATOR WITH CARTRIDGE FOR
FOR

MERCURY VAPOR. IF RESPIRATORS ARE USED; A PROGRAM IN ACCORDANCE
WITH 29 CFR 1910.134 MUST B E IMPLEMENTED.

Ventilation:LOCAL EXHAUST OR ADEQUATE MECHANICAL VENTILATION MUST BE
USED.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER, CLOTHING
TO PREVENT PROLONGED OR REPEATED SKIN CONTACT.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED
CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:T6

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

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

Vapor Pres:0.0019

Vapor Density:1.0(AIR=1)

Spec Gravity:13.5 (AIR=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SILVER-WHITE LIQUID MOBILE METAL; ODORLESS:
CONTAINED IN A GLASS TUBE

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

Stability Indicator/Materials to Av

oid:YES

HALOGENS, NITRIC ACID, ACETYLENE, AMMONIA, CHLORINE DIOXIDE, AZIDES,
CALCIUM, SODIUM CARBIDE, LITHIUM, COPPER

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:MERCURY FUMES

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. EPA WASTE # U151 MAY APPLY.

Disclaimer (provided with this information by the compiling agencies):

Thi

s information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.