

ADROW CHEMICAL COMPANY -- MERCURY(ELEMENT);QUICK SILVER,LIQUID SILVER --  
6810-00-281-7450

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

Product ID:MERCURY(ELEMENT);QUICK SILVER,LIQUID SILVER

MSDS Date:06/01/1988

FSC:6810

NIIN:00-281-7450

MSDS Number: BDT CJ

=== Responsible Party ===

Company Name:ADROW CHEMICAL COMPANY

Address:3 LINES AVE

City:WANAQUE

State:NJ

ZIP:07465-1509

Country:US

Info Phone Num:201-839-  
2372

Emergency Phone Num: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

Company Name:FLORIDA MEDICAL INDUSTRIES,INC.

Address:309 HWY 27-441 N

Box:493000

City:LEESBURG

Phone:800-874-0621

CAGE:FMINS

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===== 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:IRRITATES THE EYES AND THE SKIN;THE  
SUBSTANCE AFFECTS THE NERVOUS SYSTEM,KIDNEY,BRAIN AND NERVE INJURY  
MAY OCCUR.TARGET ORGANS:SKIN,RESP SYSTEM,CNS,KIDNEYS,EYES.  
Effects of Ov  
erexposure:INHALATION:SORE THROAT,HEADACHE,NAUSEA,CNS  
DEPRESSION,TREMORS,IRRITABILITY,LOSS OF WEIGHT,KIDNEY  
DAMAGE,INFLAMMATION OF MOUTH & GUMS;SKIN:IRRITATION,BURNS OR  
REDNESS;EYES:IRRITATION,REDNESS;INGESTION:  
VOMITING,NAUSEA,DIARRHEA.  
Medical Cond Aggravated by Exposure:PEOPLE WITH LIVER,KIDNEY OR NERVOUS  
SYSTEM DISORDERS;GUM AND MOUTH INFLAMATION,IRRITABILITY AND  
TREMORS.

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

First Aid:INHALE:REMOVE TO  
FRESH AIR, GIVE CPR/O\*2 IF  
NEED;EYES/SKIN:FLUSH W LG AMTS H\*2O FOR 15 MIN;INGEST:RINSE MOUTH;  
GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER  
SYMPTOMS OF OVEREXPOSURE.

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

Flash Point:NONE  
Extinguishing Media:ANY MEDIA SUITABLE FOR SURROUNDING FIRES.  
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED  
AREA IN FIRES;MERCURY WILL EVAPORATE AS VAPORS,WHICH IS TOXIC AND  
POISONOUS.  
Unusual Fire/Explosion Hazard:WILL EVAPORATE WHEN HEATED,CREATING TOXIC  
FUMES,USE SELF CONTAINED BREATHING APPARATUS.

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

Spill Release Procedures:MERCURY WHEN SPILLED SHOULD BE PICKED UP  
IMMEDIATELY PREFERABLY BY A SPECIALLY DESIGNED VACUUM CLEANER.

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

Handling and Storage Precautions:KEEP CONTAINERS CLOSED(SMALL  
QUANTITIES ARE PREFERABLY STORED IN POL

YETHYLENE BOTTLE).COVER THE SURFACE WITH WATER AS MUCH AS POSSIBLE PROTECT EVA  
Other Precautions:PORATION.MAINTAIN GOOD VENTILATION.CLOSE ATTENTION SHOULD BE PAID TO MAINTENANCE & CLEANING OF APPARATUS.

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

Respiratory Protection:RESPIRATORY WITH MERCURY CARTRIDGE SHOULD BE WORN WHEN TLV EXCEEDED  
Ventilation:AS REQUIRED TO CONTROL TLV IN AIR  
Protective Gloves:RUBBER  
Eye Protection:GOGGLES/FACE SHIELD  
Other Protective E  
quipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION  
Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS;WASH THOROUGHLY AFTER EACH USE.DO NOT EAT,DRINK OR SMOKE WORK ARE  
Supplemental Safety and Health  
MSDS REVISED JUNE 1988;MERCURY IS TOXIC AND AFFECTS CNS,LIVER,KIDNEYS.USE PROPER PERSONAL PROTECTION.

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

HCC:T6  
Boiling Pt:B.P. Text:676F/358C  
Melt/Freeze Pt:M.P/F.P Text:-38F (-39C)  
Vapor Pres:0.002  
Vapor Density:1.015  
Spec Gravity:13.59  
Evaporation Rate & Reference:4.0 (BUTYL ACETATE=1)  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:SILVER,WHITE METALLIC LIQUID NO ODOR  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
ACETYLENE,AMMONIA,STRONG OXIDIZERS LIKE CHLORINE  
Stability Condition to Avoid:EXTREME HEAT,SPARKS,OPEN FLAMES  
Hazardous Decomposition Products:EXTREM

## E TOXIC FUMES

### ===== Disposal Considerations =====

Waste Disposal Methods:FOR FINE DROP OF MERCURY IN UNACCESSIBLE SITE(CRACK,ETC;),TREAT WITH CALCIUM POLYSULFIDE & EXCESS SULFUR.KEEP ALL SPILLED OR DISPOSED MERCURY IN A TIGHTLY STOPPERED BOTTLE FOR SALE OR PURIFICATION.

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