

CSC SCIENTIFIC CO INC -- THERMOMETER, LIQUID IN GLASS -- 6685-00-242-2204

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

Product ID:THERMOMETER, LIQUID IN GLASS

MSDS Date:06/17/1999

FSC:6685

NIIN:00-242-2204

Status Code:A

MSDS Number: CJGNW

=== Responsible Party ===

Company Name:CSC SCIENTIFIC CO INC

Address:2810 OLD LEE HWY 200

City:FAIRFAX

State:VA

ZIP:22031

Country:US

Info Phone Num:703-876-4030

Emergency

Phone Num:703-330-6400

Preparer's Name:DSCR-VBA

CAGE:66316

=== Contractor Identification ===

Company Name:CSC SCIENTIFIC CO INC

Address:2810 OLD LEE HWY 200

Box:City:FAIRFAX

State:VA

ZIP:22031

Country:US

Phone:703-876-4030

CAGE:66316

Company Name:DAIGGER A AND CO.; DAIGGER SCIENTIFIC DIV.

Address:7255 GABE CT

Box:City:MANASSAS

State:VA

ZIP:22110

Country:US

Phone:703-330-6400

CAGE:1V571

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

Ingred Name:MERCURY (SARA III)

CAS:7439

-97-6  
RTECS #:OV4550000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S, C, 0.1 MG/M3  
ACGIH TLV:S, 0.05 MG/M3; 9293  
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: 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.  
Effects 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 KID  
NEY 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 B REATHING SUPPORT MEASURES, IF NEEDED. INGESTION:  
ACCIDENTAL SWALLOWING OR INGESTION OF MERCURY IS USUALLY HARMLESS.  
  
DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN.

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

Flash Point:NONFLAMMABLE  
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 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 =====

R

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.

MERCURY IS ENCASED IN A GLASS THERMOMETER; NOT HAZARDOUS UNLESS THERMOMETER IS BROKEN AND MERCURY IS RELEASED.

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

HCC:Z

2

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.

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

Stability Indicator/Materials to Avoid:YES

HALOGENS, NITRIC ACID, AMMONIA GAS, ACETYLENE AND ACETYLENE PRODUCTS.

Stability Condition to Av

oid: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.

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

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner wh

atsoever,

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.