

PRINCO INSTRUMENTS INC -- METALLIC MERCURY THERMOMETER -- 6685-00-894-4513

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Product Identification
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Product ID:METALLIC MERCURY THERMOMETER

MSDS Date:05/07/1991

FSC:6685

NIIN:00-894-4513

MSDS Number: BRNPT

=== Responsible Party ===

Company Name:PRINCO INSTRUMENTS INC

Address:SOUTHAMPTON INDUSTRIAL PARK

City:SOUTHAMPTON

State:PA

ZIP:18966-4095

Country:US

Info Phone Num:215-355-1500

Eme

Agency Phone Num:518-785-1703

Preparer's Name:MERCURY REFINING COMPANY

CAGE:48620

=== Contractor Identification ===

Company Name:DELCO ENTERPRISES INC

Address:500 ARGYLE RD

Box:827

City:DREXEL HILL

State:PA

ZIP:19026

Country:US

Phone:610-565-6075

CAGE:0WYA8

Company Name:PRINCO INSTRUMENTS INC

Address:1020 INDUSTRIAL HWY

Box:City:SOUTHAMPTON

State:PA

ZIP:18966-4095

Country:US

Phone:215-355-1500

CAGE:48620

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Composition/Information on Ingredients
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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

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===== Hazards Identification =====

LD50 LC50 Mixture:TLV FOR MERCURY IS 0.05 MG/M3 (SKIN)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:RESPIRATORY DISTURBANCES,
GASTROINTESTINAL DISTURBANCES, MERC
URIALISM, SKIN IRRITATION,
SENSITIZATION DERMATITIS, MAY BE ABSORBED THROUGH THE SKIN,
ASPIRATION HAZARD, VISUAL DISTURBANCES.
Explanation of Carcinogenicity:MERCURY IS NOT CURRENTLY CLASSIFIED AS
CARCINOGENIC BY NTP, IARC OR OSHA.
Effects of Overexposure:DYSPNEA, COUGH, FEVER, NAUSEA, VOMITING,
DIARRHEA, STOMATITIS, SALIVATION, METALLIC TASTE, NECROTIZING
BRONCHIOLITIS, PNEUMONITIS, PULMONARY EDEMA, ABDOMINAL PAIN,
DIZZINESS, CLUMSINESS, SLURRED SPEEC H, HEADACHE, ALBUMI
NURIA,
TREMORS, LOOSENING OF TEETH, BLUE NEPHRITIS, ANXIETY, WEIGHT LOSS,
MENTAL DEPRESSION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. IF BREATHING HAS STOPPED,
GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION. SKIN: REMOVE
CONTAMINATED CLOTHING. WASH WITH MILD SOAP AND WATER. GET MEDICAL
ATTENTION . INGESTION: IMMEDIATELY GIVE 4-5 GLA
SSES OF WATER AND
INDUCE VOMITING. KEEP HEAD LOWER THAN HIPS. GET MEDICAL ATTENTION.
EYES: WASH IMMEDIATELY WITH WATER FOR 15 MINUTES. GET MEDICAL
ATTENTION.

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR
FOAM
Fire Fighting Procedures:MOVE CONTAINERS FROM AREA IF POSSIBLE. COOL
CONTAINERS EXPOSED TO FLAMES WITH

WATER FROM THE SIDES UNTIL FIRE IS OUT. STAY UPWIND.

Unusual Fire/Explosion Hazard: NEGLIGIBLE FIRE HAZARD. MAY RELEASE INORGANIC MERCURY VAPOR.

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

Spill Release Procedures: ISOLATE AREA OF LEAK OR SPILL. WEAR APPROPRIATE PROTECTIVE EQUIPMENT ATTEMPT TO STOP LEAK. TAKE UP SPILLS WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE AWAY FROM INCOMPATIBLE MATERIALS. STORE IN PLASTIC, GLASS OR STEEL CONTAINERS WITH TIGHT FITTING SEALS.

Other Precautions: STORE IN AN ISOLATED, COOL, WELL VENTILATED AREA.

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

Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW TLV, USE NIOSH APPROVED FULL FACE POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation: PROVIDE LOCAL EXHAUST, PROCESS ENCLOSURE VENTILATION OR GENERAL DILUTION TO MEET PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves: RUBBER IF NEEDED

Eye Protection: CHEMICAL SAFETY GOGGLES & FULL FACE SHIELD

Other Protective Equipment: APPROPRIATE IMPERVIOUS CLOTHING & EQUIPMENT TO PREVENT SKIN CONTACT. MAINTAIN EYEWASH AND QUICK DRENCH FACILITY.

Work Hygienic Practices: NO SMOKING, EATING, DRINKING.

Supplemental Safety and Health
THE MERCURY IS CONTAINED IN A GLASS TUBE.

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

HCC: Z2

Boiling Pt: =356.7C, 674.F

Melt/Freeze Pt: =-38.9C, -38.F

Decomp Temp: Decomp Text: NOT KNOWN

Vapor Pres: 0.002

Vapor Density: 7.0

Spec Gravity: 13.59

Evaporation Rate & Reference: NOT GIVEN

Solubility in Water: INSOLUBLE

Appearance and Odor: ODORLESS, SILVERY LIQUID WITH A METALLIC LUSTER

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

Stability Indicator/Materials to Avoid: YES
ACETYLIC CO

MPOUNDS, ALUMINUM, AMINES, AMMONIA, BORON, BROMINE, METHYL
AZIDE, TETRACARBONYLNICKEL, COPPER AND ALLOYS

Stability Condition to Avoid: AVOID ELEVATED TEMPERATURES AND OPEN
FLAMES.

Hazardous Decomposition Products: TOXIC VAPORS

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

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL RE
GULATIONS.

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