

Issue Date: 23/06/2025
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SAFETY DATA SHEET



HEALTH	3
FIRE	0
REACTIVITY	0
PERSONAL PROTECTION	0

Product Code: 40-415-2C

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SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME: Livingstone Laboratory Thermometer, Mercury, 0 to 360degC, 2.0deg Division, Partial Immersion
 FORMULA: HG
 FORMULA WT: 200.59
 CAS NO.: 07439-97-6
 NIOSH/RTECS NO.: OV4550000
 COMMON SYNONYMS: QUICKSILVER; LIQUID SILVER

LABORATORY PROTECTIVE EQUIPMENT: GOOGLES; LAB COAT; VENT HOOD; PROPER GLOVES
 PRECAUTIONARY LABEL STATEMENTS
 THERMOMETER CONTAINS MERCURY. HAZARDOUS ONLY IF BROKEN

POISON DANGER

EXCEPTIONAL CONTACT HAZARD - READ MATERIAL SAFETY DATA SHEET
 MAY BE FATAL IF SWALLOWED OR INHALED.
 DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
 DO NO BREATHE DUST. KEEP IN TIGHTLY CLOSED CONTAINER. USE WITH ADEQUATE VENTILATION.
 WASH THOROUGHLY AFTER HANDLING.

SECTION 2 HAZARD IDENTIFICATION

COMPONENT	%	CAS NO.
MERCURY (METAL)	90-100	7439-97-6

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

NO INFORMATION AVAILABLE

SECTION 4 FIRST AID MEASURES

NO INFORMATION AVAILABLE

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SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT (CLOSED CUP N/A

FLAMMABLE LIMITS: UPPER - N/A % LOWER - N/A %

FIRE EXTINGUISHING MEDIA

USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

SPECIAL FIRE FIGHTING PROCEDURES

FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE MODE.

SECTION 6 ACCIDENTAL RELEASE MEASURES

NO INFORMATION AVAILABLE

SECTION 7 HANDLING AND STORAGE

SPECIAL PRECAUTIONS:

KEEP CONTAINER TIGHTLY CLOSED. STORE IN SECURE POISON AREA.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION:

USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS

RESPIRATORY PROTECTION:

NONE REQUIRED WHERE APPROPRIATE VENTILATION CONDITIONS EXIST. IF THE TLV IS EXCEEDED, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

EYE/SKIN PROTECTION:

SAFETY GOOGLES AND FACE SHIELD, UNIFORM, PROTECTIVE SUIT, RUBBER GLOVES ARE RECOMMENDED.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT:	357°C (675°F)	VAPOR PRESSURE(MM HG):	.002 MM Hg @ 25°C
MELTING POINT:	-39°C (-38°F)	VAPOR DENSITY(AIR=1):	1.01
SPECIFIC GRAVITY:	13.53	EVAPORATION RATE:	4
(H2O=1)		(BUTYL ACETATE=1)	
SOLUBILITY(H2O):	NEGLIBLE (LESS THAN 0.1%)	% VIOLATES BY VOLUME:	100
APPEARANCE & ODOR:	SILVER-WHITE, HEAVY MOBILE LIQUID METAL		

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SECTION 10 STABILITY AND REACTIVITY

STABILIT: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: HEAT

INCOMPATIBLES: STRONG ACIDS

SECTION 11 TOXICOLOGICAL INFORMATION

TLV LISTED DENOTES (TLV-SKIN).

THRESHOLD LIMIT VALUE (TLV/TWA):

0.025 MG/M3 TWA (ACGIH)

0.050 MG/M3 TWA (NIOSH)

PERMISSIBLE EXPOSURE LIMIT (PEL): 0.05 MG/M3 (PPM)

CARCINOGENICITY: NTP: NO IARC: NO Z LIST: NO OSHA REG: NO

EFFECTS OF OVEREXPOSURE

INHILATION OF VAPORS MAY CAUSE COUGHING, CHEST PAINS, NAUSEA AND VOMITING.

CHRONIC EFFECTS OF OVEREXPOSURE MAY INCLUDE KIDNEY AND/OR LIVER DAMAGE.

CHRONIC EFFECTS OF OVEREXPOSURE MAY INCLUDE CENTRAL NERVOUS SYSTEM DEPRESSION.

CHRONIC EFFECTS OF MERCURY POISONING INCLUDE A BUILDUP OF THE METAL IN BRAIN, LIVE AND KIDNEYS. SYMPTOMS INCLUDE HEADACHE, TREMORS, LOOSE TEETH, LOSS OF APPETITE, BLISTERS ON THE SKIN AND IMPAIRED MEMORY.

TARGET ORGANS

EYES, SKIN, RESPIRATORY SYSTEM, CENTRAL NERVOUS SYSTEM, KIDNEYS

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

NONE IDENTIFIED

ROUTES OF ENTRY

INHILATION, ABSORPTION, EYE CONTACT, SKIN CONTACT

EMERGENCY AND FIRST AID PROCEDURES

CALL A PHYSICIAN.

IF SWALLOWED, IF CONSCIOUS, IMMEDIATELY INDUCE VOMITING. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE RE-USE.

PEL LISTED DENOTES CEILING LIMIT.

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SECTION 12 ECOLOGICAL INFORMATION

NO INFORMATION AVAILABLE

SECTION 13 DISPOSAL CONSIDERATIONS

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. CLEAN UP SPILL IMMEDIATELY. COLLECT AND STORE USING A SUCTION PUMP WITH A CAPILLARY TUBE. CALCIUM POL YSULFIDE WITH EXCESS SULFUR SHOULD BE SPRINKLED INTO CRACKS OR INACCESSIBLE SITES. KEEP COLLECTED MERCURY IN A TIGHTLY CLOSED BOTTLE FOR RECOVERY OR DISPOSAL.

J. T. BAKER CINNASORB(R) AND RESISORB(R) ARE RECOMMENDED FOR SPILLS OF THIS PRODUCT.

DISPOSAL PROCEDURE
 DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

EPA HAZARDOUS WASTE NUMBER U151 (TOXIC WASTE)

SECTION 14 TRANSPORT INFORMATION

DOMESTIC (D.O.T)

PROPER SHIPPING NAME MERCURY, CONTAINED IN MANUFACTURED ARTICLES

HAZARD CLASS: 8	ERG 172
UN/NA	UN2809
LABELS	CORROSIVE
REPORTABLE QUANTITY	1 LBS.

INTERNATIONAL (I.M.O)

PROPER SHIPPING NAME MERCURY, CONTAINED IN MANUFACTURED ARTICLES

HAZARD CLASS: 8	ERG 172
UN/NA	UN2809
LABELS	CORROSIVE

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SECTION 15 REGULATORY INFORMATION

NO INFORMATION AVAILABLE

SECTION 16 OTHER INFORMATION

NO INFORMATION AVAILABLE

END OF SDS