



**MATERIAL SAFETY DATA SHEET
FOR
MERCURY-IN-GLASS THERMOMETER**

1 - PRODUCT IDENTIFICATION

PRODUCT NAME: MERCURY (METAL)
FORMULA: HG
FORMULA WT: 200.59
CAS NO.: 07439-97-6
NIOSH/RTECS NO.: OV4550000
COMMON SYNONYMS: QUICKSILVER; LIQUID SILVER
PRODUCT CODES: 2569,2567,2564,2572
EFFECTIVE: 03/28/2011

PRECAUTIONARY LABELLING

HEALTH: 3 EXTREME (POISON)
FLAMMABILITY: 0 NONE
REACTIVITY: 0 SLIGHT
CONTACT: 3 SEVERE (LIFE)

HAZARD RATINGS ARE 0 TO 4 (0 = NO HAZARD; 4 = EXTREME HAZARD).

LABORATORY PROTECTIVE EQUIPMENT: GOGGLES; 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
EMITS TOXIC VAPORS, ESPECIALLY WHEN HEATED.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
DO NOT BREATHE DUST. KEEP IN TIGHTLY CLOSED CONTAINER. USE WITH ADEQUATE VENTILATION.
WASH THOROUGHLY AFTER HANDLING.

2 - HAZARDOUS COMPONENTS

<u>COMPONENT</u>	<u>%</u>	<u>CAS NO.</u>
MERCURY (METAL)	90-100	7439-97-6

3 - PHYSICAL DATA

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

MERCURY-IN-GLASS THERMOMETER

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.

6 - REACTIVITY DATA

STABILITY: STABLE HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: HEAT

INCOMPATIBLES: STRONG ACIDS

7 - SPILL AND DISPOSAL PROCEDURES

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 POLYSULFIDE 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)

8 - PROTECTIVE EQUIPMENT

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

