MSDS SH CD PART CAT. MERCURY

Glass enclosed mercury

VENDOR: Honeywell

1348
MERCURY

Honeywell

MATERIAL SAFETY DATA SHEET

CORP ID # IL50-001 DIV. ID # MS 001/ DS9022

I. MATERIAL IDENTIFICATION

MATERIAL NAME	Glass Enclosed Mercury Switch	
MANUFACTURER	Honeywell Inc., Residential and Building Controls Group Micro Switch Division	TELEPHONE NUMBER (612) 542-7500
SYNONYMS	None	
MATERIAL USE	Glass enclosed mercury switch	
APPEARANCE AND ODOR	Silvery white, heavy liquid metal	

II. HAZARDOUS INGREDIENTS

MATERIAL	%	TLV (UNITS)
Mercury	100	0.05 mg/m³ 0.10 mg/m³ (PEL)

III. HEALTH HAZARD INFORMATION

EFFECTS OF EXCESSIVE EXPOSURE	Weakness, fatigue, loss of weight, loss of appetite, insomnia, gastrointestinal disturbances, tremor, gingivitis. Mercury can be absorbed slowly through the skin.
EMERGENCY AND FIRST AID PROCEDURES	EYE CONTACT: Flush with running water for 15 minutes.
	SKIN CONTACT: Remove contaminated clothing. Wash affected areas with soap and water.
	INHALATION: Remove to fresh air. Restore and/or support breathing as needed. Administer oxygen for chemical pneumonitis. Seek attention.
	INGESTION: Seek medical attention.

IV. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	Full face piece gas mask equipped with high efficiency filters plus canister containing iodine-impregnated charcoal 1 mg/m³-5 mg/m
PROTECTIVE GLOVES	Rubber gloves while cleaning up broken switch.
OTHER PROTECTIVE EQUIPMENT EQUIPMENT	Avoid eye contact by use of safety glasses when cleaning up broken switch.
VENTILATION	General or local exhaust adequate to meet TLV.

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V. SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS	Switches must be cushioned from physical damage.
D.O.T. CLASS	ORM-B NA 2809

VI. SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	If a switch is broken, notify Safety Personnel. Provide adequate ventilation. Clean up spills promptly. A suction bottle with capillary tube can be used for small amounts. Calcium polysulfide with excess sulfur can be sprinkled on the mercury to convert it to mercury sulfide. Collect all parts of broken switch in sealed container. Prevent skin contact.
WASTE DISPOSAL METHOD	Mercury should be salvaged for purification. Do not discharge mercury down drain. Dispose of in accordance with local, state and federal regulations.

VII. REACTIVITY DATA

STABILITY			
UNSTABLE	STABLE	CONDITIONS TO AVOID	Breakage
	XX		

INCOMPATIBILITY (MATERIALS TO AVOID)	Acetylenes, Ammonia, Alkali metal, Chlorine dioxide, Methyl azide.
HAZARDOUS DECOMPOSITION PRODUCTS	Inorganic mercury vapors

VIII. FIRE AND EXPLOSION DATA

FIRE AND EXPLOSION HAZARDS	Non-flammable
PRECAUTIONS	Move containers from fire area if it can be done without risk.
SPECIAL FIRE FIGHTING PROCEDURES	Self-contained breating apparatus should be used if metal is exposed to heat.
EXTINGUISHING MEDIA	Select media for surrounding fire

NFPA RATING			FLAMMABLE LIMITS (% IN AIR)	
H - 3	F - 0	R - 0	LEL: N.A.	UEL: N.A.

IX. PHYSICAL DATA

BOILING POINT 760mm Hg 670 °F (355 °C)	SOLUBILITY IN WATER Negligible
VAPOR PRESSURE AT 68 °F: 0.0012 mm Hg AT 260 °F: 1.0 mm Hg	VOLATILES N.A. % BY VOLUME
SPECIFIC GRAVITY (H_2O = 1): 13.55	EVAPORATION RATE (ETHYL ETHER = 1): N.D.
VAPOR DENSITY (AIR = 1): depends on concentration	FLASH POINT None °F (None °C)

N.D.-Not Determined N.A.-Not Applicable

INFORMATION SOURCE

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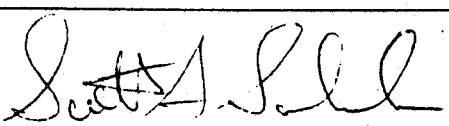
APPROVED BY  DATE August 15, 1990