



# SHANGHAI MCP CORP.

Fl.5 , Bldg. 18, No. 1555 West Jin Sha Jiang Rd., Shanghai, China

TELEPHONE: 86-21-52695961

## SAFETY DATA SHEET

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### Section 1: Identification

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**Product Identifier:** Spectrum Tube, Mercury (MCP Product No. P218108)

**Common Name:** Mercury Gas

**Recommended Use:** Educational, study of spectral lines

**Restrictions on Use:** Use under supervision of science teacher

#### Manufacturer Information

Shanghai MCP Corp.  
Fl.5 , Bldg. 18, No. 1555  
West Jin Sha Jiang Rd.,  
Shanghai, China

#### General and Emergency Phone No.

86-21-52695961  
Revision Date:  
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### Section 2: Hazards Identification

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**Hazard Classification:** Gas under very low pressure

**General Statement:** The amount of mercury gas contained in each tube is much less than 0.05% by volume; does not present hazard if tube is accidentally broken.

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### Section 3: Composition / Information on Ingredients

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**CAS:** 7439-97-6

**Component:** Mercury

**Percent:** Very low concentration by volume, <50 mg per tube.

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### Section 4: First-Aid Measures

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**Description of Necessary Measures:** No information regarding necessary measures due to very low concentrations of gas contained in each tube. If tube broken, treat for cuts and possible burns resulting from tube if hot.

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### Section 5: Fire-Fighting Measures

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**Recommendations for fighting fire caused by the chemical:** Due to the very low concentration of gas contained in each tube, it is not likely that the release of the chemical will cause a fire, nor will release during a fire require any special fire-fighting measures, as mercury is a negligible fire hazard.

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### Section 6: Accidental Release Measures

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**Recommendations for Personal Precautions and Emergency Procedures:**

None required.

**Methods and Material Used to Containment and Clean Up:** Dispose of any broken glass properly.

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## Section 7: Handling and Storage

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**Precautions for Safe Handling:** Never handle tube when hot, or energized. Keep away from heat, use indoors, with approved source of power.

**Conditions for Safe Storage:** Store at room temperature. Protect glass from breakage.

**Incompatibilities While Storing:** Keep away from any chemical that might attack glass.

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## Section 8: Exposure Controls / Personal Protection

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**Component Exposure Limits:** Use in an area providing normal ventilation. Never use in a confined space

**Personal Protection:** Wear safety glasses when using this product. Observe normal normal laboratory procedures.

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## Section 9: Physical and Chemical Properties

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**Physical State:** colorless, odorless gas

Melting/Freezing Point: Not determined

**Vapor Density (air=1)** Not determined

**Boiling Point:** Not determined

**Molecular Formula:** Hg

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## Section 10: Stability and Reactivity

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**Reactivity:** None expected.

**Chemical Stability:** Stable. Present at very low pressures.

**Conditions to Avoid:** Avoid open flames, mechanical stress on glass

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## Section 11: Toxicological Information

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No such data is available for the very low concentrations of this chemical in each tube.

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## Sections 12: Ecological Information

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No data available

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## Section 13: Disposal Considerations

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**Disposal Methods:** Dispose of in accordance with all applicable local regulations.

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## Sections 14/15: Transport and Regulatory Information

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Not applicable

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## Section 16: Other Information

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