

Safety Data Sheet

Section 1: Identification

Product Identifier: Spectrum Tube, Mercury Vapor
Common Name: Mercury/quicksilver
Recommended Use: Educational, demonstration purposes only
Restrictions of Use: To be used under supervision of qualified science teacher

Importer Name:
Technos Pty Ltd
71 McClure Street
Thornbury Vic Australia
Tel: 61 3 94972555

Section 2: Hazards Identification

General Statement: The amount of Mercury Vapor contained in each tube is much less than 1% by volume. The small amount of mercury contained in the tube poses no risk as long as the tube is sealed. If tube breaks consult section 6: accidental release measures.

General Hazard classification/information on Mercury: Corrosive; causes burns to skin, eyes and respiratory tract. May be fatal if swallowed or inhaled. Harmful if absorbed through skin. Affects kidneys and central nervous system. May cause skin allergic reaction

Health rating 4 – Extreme.

Flammability rating: 0

Reactivity rating: 1

Contact rating: 3 (corrosive)

Section 3: Composition / information on ingredients

CAS: 7439-97-6 Component: Mercury 90-100%

Hazardous: YES

Section 4: First Aid Measures

Inhalation: Seek Fresh Air. Seek immediate medical advice.

Skin: Wash with soap and water for 15 minutes. Seek immediate medical advice.

Eye Contact: Flush with water for several minutes. Seek immediate medical advice.

Ingestion: Seek immediate medical advice.

If tube broken, treat for cuts and possible burns resulting from tube if hot.

Section 5: Fire Fighting Measures

Not considered to be a fire or explosion hazard.

Use any means to extinguish surrounding fire. Contain any water runoff.

Smoke may contain toxic fumes – wear suitable respiratory equipment.

Section 6: Accidental Release Measures

Dispose of any broken glass properly (wearing hand protection)

Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away.

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Absorb any liquid mercury with sand, sawdust or mercury spill kits.

Section 7: Handling and Storage

Do not handle HOT tube. Keep away from heat, use indoors with an approved power source. Store at room temperature. Protect the glass from breakage. Keep away from any chemical that might affect glass.

Mercury evaporates slowly. Spilled mercury forms tiny globules that will evaporate faster than a single pool, and can develop higher concentrations in an unventilated area.

Section: 8 Exposure Control/ Personal protection

Use in area with normal ventilation. Never use in a confined space. Wear Safety Glasses with using this product. Observe normal safety and laboratory operating procedures.

Section: 9 Physical and chemical properties

Physical State: silver-white liquid metal - Hg

Melting Point: -38.87 deg c

Boiling Point: -356.7 deg c

Section 10: Stability and Reactivity

Reactivity: None expected

Chemical Stability: Stable under recommended storage conditions.

Conditions to avoid: Open flames, stress on the glass

Section: 11 Toxicological Information

If Mercury spills from tube seek further toxicological information and refer to Hazards ID section (2) of this document.

Sections 12: Ecological information

Consult further information if mercury spills from the tube and refer to Accidental Release Measures section (6) of this document.

Section: 13: Disposal Considerations

Dispose in accordance with all applicable local regulations

Sections: 14/15 Transport and Regulatory Information

Consult with your local regulations before transporting this product.

Disclosure:

The above information is based upon information available to us. Technos P/L shall not be held liable for any claims, losses or damages resulting from reliance on this information. Users should do their own research to determine the suitability of the information for their own use of this product. Self risk assessments are recommended. Each State and Territory have their laws and regulations for disposing of product and it is recommended users check before discarding the product.

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