

MATERIAL SAFETY DATA SHEET

(Effective Date: April 2003)

TECHNETIUM Tc-99m TSC

Kit for the Preparation of Technetium Tc99m Sulfur Colloid Injection

1. PRODUCT IDENTIFICATION

Product Code: 4329

Chemical Formula: Not applicable.

Formula CAS No.: Not applicable.

Molecular Weight: Not applicable.

Hazardous Ingredients: CAS#7664-38-2 Phosphoric Acid, 7647-14-5 Sodium Chloride, 7772-98-7 Sodium Thiosulfate, 127-09-3 Sodium Acetate, 139-33-3 Edetate Disodium.

2. PHYSICAL DATA

Appearance: Vials containing clear, gelatin stabilized liquid.

Radioactivity: Not applicable.

Concentration: No information found.

Specific Activity: Not applicable.

Odor: Odorless.

Solubility: Soluble in water.

Half-Life: Not applicable.

Boiling Point: No information found.

Melting Point: No information found.

Vapor Pressure (mm Hg): No information found.

Evaporation Rate: No information found.

Vapor Density (Air=1): No information found.

3. FIRE AND EXPLOSION HAZARD DATA

Fire: Product is non-flammable.

Explosion: Material is not considered an explosion hazard.

Fire Extinguishing Media: Use water spray, dry chemical, CO₂ or foam as appropriate for the burning material.

Special Information: In the event of a fire, wear full protective clothing and a NIOSH approved self-contained breathing apparatus.

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4. HEALTH HAZARD DATA

A. Effects of Overexposure

Inhalation: Not considered an inhalation hazard.

Eye Contact: Potential eye irritant.

Ingestion: Not considered an acute health hazard.

Skin Contact: Potential skin irritant.

Chronic Exposure: Not considered a chronic health hazard.

Aggravation of Pre-existing Conditions: No information found.

B. First Aid Procedures

Inhalation: First aid not required.

Ingestion: First aid not required.

Skin Exposure: Wash thoroughly with soap and water.

Eye Exposure: Rinse eyes for a minimum of 15 minutes.

C. Toxicity Data

Phosphoric Acid: Oral Rat LD₅₀: 1530 mg/kg; **Sodium Chloride:** Oral Rat LD₅₀: 3000 mg/kg; **Edetate Disodium:** Oral Rat LD₅₀: 2000 mg/kg; **Sodium Acetate:** Oral Rat LD₅₀: 3530 mg/kg.

5. REACTIVITY DATA

Stability: Material is stable.

Hazardous Decomposition Products: Thermal decomposition can cause the release of CO₂, NO₂ and corrosive fumes.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong acids, bases and oxidizers.

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6. SPILL OR LEAK PROCEDURES

If material is non-radioactive, collect and dispose as non-hazardous waste through an approved waste broker. If material is reconstituted, take appropriate precautions for radioactive material.

7. OCCUPATIONAL PROTECTION INFORMATION

Airborne Exposure Limits: Not established.

Skin Protection: Disposable rubber, plastic or latex gloves; lab coat.

Ventilation System: Use local exhaust.

Eye Protection: Safety goggles or safety glasses.

8. SPECIAL PRECAUTIONS

Read package insert prior to use.

CALIFORNIA PROPOSITION 65 INFORMATION

The State of California requires that customers and employees are provided with warnings about reproductive and carcinogenic hazards associated with substances sold in California. Under Proposition 65, the following statement applies:

This product does not contain a substance known to the State of California to cause reproductive toxicity.

MATERIAL SAFETY DATA SHEET STANDARD FORM DISCLAIMER

The above information is based upon data available to Amersham Health and is believed to be correct, but does not intend to be all inclusive and shall be used only as a guide. Since the information contained herein may be applied under conditions beyond the control of Amersham Health, no responsibility is assumed for the results of its use.