

I. PRODUCT IDENTIFICATION

Trade Name: Glofil-125
 Catalog Number: 1000

Company Name: Iso-Tex Diagnostics, Inc.
 1511 County Road 129
 Friendswood, TX 77546
 Information Telephone: 281-482-1231
 Emergency Telephone:

Synonyms: Glofil; Sodium Iothalamate I-125 Injection

II. COMPOSITION, INFORMATION ON INGREDIENTS

Component	Chemical Formula	CAS #	%	Hazard Data
Sodium Iothalamate (labeled with I-125)	C ₁₁ H ₈ I ₃ N ₂ NaO ₄	1225-20-3	0.1%	Radioactive: 250-300 µCi/ml as of calibration date. Half-life = 60.14 days
Benzyl Alcohol	C ₇ H ₈ O	100-51-6	0.9%	LD ₅₀ (orally—rats) = 3.1 g/kg

III. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point, 760 mm Hg: 100°C (212°F)
Specific Gravity (H₂O = 1 @ 25°C): Unknown
Vapor Density (Air = 1): Unknown
% Volatiles by Volume: Unknown
Appearance: Clear, colorless aqueous solution
Odor: Odorless

Melting Point/Freezing Point: 0°C (32°F)
Vapor Pressure: Unknown
Solubility in H₂O: Very soluble in water
Evaporation Rate (Butyl Acetate = 1): Unknown
pH: 7.0 – 8.5

IV. FIRE AND EXPLOSION DATA

Flammability: Not a flammable material

Fire/Explosion Hazards: Not considered to be a fire or explosion hazard

Extinguishing Media: Dry chemical or CO₂. Do not use water as an extinguishing media near this material if containers are damaged.

Special Fire-Fighting Procedures: In the event of fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazard: None

V. STABILITY AND REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.

Hazardous Polymerization: This substance does not polymerize.

Incompatibility (Materials to avoid): No information found.

Hazardous Decomposition Byproducts: May emit toxic fumes of nitrous oxides and iodine when heated to decomposition.

VI. HEALTH HAZARD INFORMATION

EMERGENCY OVERVIEW:

As in the use of any radioactive material, care should be taken to minimize radiation exposure to the patient, consistent with proper patient management, and to insure minimum radiation exposure to occupational workers. Ensure prompt removal from skin, eyes and clothing. As part of good laboratory and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance. Read Package Insert prior to use.

Routes of Exposure: Contamination through inhalation, skin contact, open cuts, eyes, ingestion. Radiation hazard may be external (like X-ray) from contamination on skin or exposure to unshielded material.

POTENTIAL HEALTH EFFECTS:

Inhalation: May result in increased thyroid radiation dose.

Ingestion: May result in increased thyroid radiation dose.

Eye Contact: Splashes may cause irritation.

Chronic Exposure: Prolonged exposure may be a threat to health or life. Effects of radiation may be delayed.

Skin Contact: Slight corrosive effect and contamination with I-125 if not immediately washed.

Aggravation of Pre-existing Condition: May provide an allergic reaction in people allergic to iodine or iodinated substances.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Follow standard first aid procedures regarding radiation exposure. Advise rescue personnel and physicians that person or equipment may be radioactively contaminated.

Eye Exposure: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Consult physician. Advise rescue personnel and physicians that person or equipment may be radioactively contaminated.

Ingestion: Give water to drink and consult physician. Use standard first aid procedures. Advise rescue personnel and physicians that person or equipment may be radioactively contaminated.

Skin Exposure: Consult physician. Remove contaminated clothing and wash exposed area with multiple gentle washings of soap and warm water. Use standard first aid procedures. Advise rescue personnel and physicians that person or equipment may be radioactively contaminated.

Notes to Physician: Advise rescue personnel and physicians that person or equipment may be radioactively contaminated.

VII. SPILL OR LEAK PROCEDURES AND DISPOSAL INFORMATION

Steps to be Taken if Material is Spilled or Released: Contact your Radiation Safety Officer. Do not touch spilled material or leaking or damaged package. Ensure compliance with local, state and federal regulations.

Small Spills: Take up with sand, earth or other non-combustible absorbent material.

Large Spills: Dike for later decontamination and disposal. Do not enter spill area unless absolutely necessary to save life.

Limit entries to shortest possible time. Alternate persons for entry if possible.

Neutralizing Chemicals: None

Waste Disposal Method: Dispose of in accordance with Federal, State and Local regulations for radioactive material.

VIII. SPECIAL PROTECTION INFORMATION

Ventilation Requirements: Use only in well-ventilated area

Mechanical (General): No information found

Eye Protection (Type): Goggles

GLOVES (TYPE): Latex gloves

Respiratory (Type): No information found

Clothing (Type): Lab coat

Specific Personal Protection Equipment: No information found

Other clothing and equipment requirements: Decrease radiation exposure by placing a shield. (either ½ in. plexi-glass or 0.28 lead) between you and the product.

IX. OTHER PRECAUTIONS

Storage Conditions: Store in shielded area at 2 – 8°C.

Precautionary Statement: THIS IS A RADIOACTIVE MATERIAL. In the event of a leak or spill, keep unnecessary people away. Keep upwind, isolate hazard area (at least 50 meters – 164 ft.). Wear self-contained breathing apparatus and full protective clothing. Delay clean-up until arrival of qualified radiation monitoring assistance.

Other Handling and Storage Requirements: Store in shielded area.

*The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make their own investigations to determine the suitability of the information for their particular purposes. Iso-
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