

MATERIAL SAFETY DATA SHEET

Lloyd Laboratories
division of LLOYD, Inc.
Phone No. (712) 246-4000
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P.O. Box 130, Shenandoah, IA 51601-0130

Tolazine™ Injection 100 mg/mL
MSDS Date: 3/10/95 (Original)
3/11/96 (Revised)

Product Name: Tolazine™ (tolazoline hydrochloride, USP) Injection 100 mg/mL

1. INGREDIENTS: (% w/w), unless otherwise noted

COMPONENT	CAS#	%	EXPOSURE LIMITS, ppm	
			OSHA PEL	ACGIH TLV (mg/m³)
Tolazoline hydrochloride	59-97-2	10	PEL=0.2 mg/m³ (DTEL)	

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Only those ingredients composing $\geq 1\%$ ($\geq 0.1\%$ for carcinogens or suspect carcinogens) of the formula (w/w) and which have been identified as hazards are listed.

2. PHYSICAL DATA:

APPEARANCE: Solution supplied in 100 mL clear, glass bottles
COLOR: Clear to light yellow
ODOR: Slight camphor-like
pH: 3.3
SPECIFIC GRAVITY: 1.030

Other physical data have not been determined.

3. FIRE AND EXPLOSION HAZARD DATA:

This has not been evaluated.

EXTINGUISHING MEDIA: Use media suitable for fire in surrounding area. Suitable water spray jet, foam, CO₂, or dry chemical powder.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: Wear full protective clothing and self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers may burst if exposed to extreme heat.

4. REACTIVITY DATA:

The product is stable; store between 15 and 30°C (59-86°). Protect from light. Hazardous polymerization will not occur. Information about hazardous decomposition products is not available.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Using appropriate protective equipment, sweep up and containerize spilled material. Residues may be flushed to the sanitary sewer with water.

DISPOSAL METHOD: All wastes will be sent to an appropriate, approved disposal facility following standard operating procedures.

6. HEALTH HAZARD DATA:

EYES: This product may be absorbed through the conjunctiva.

SKIN: This product may be absorbed after dermal contact.

INGESTION: This product may be absorbed after oral consumption.

RESPIRATORY: This product may be absorbed after inhalation.

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EFFECTS: The effects of exposure resulting from absorption may include increased or decreased blood pressure, increased heart rate, and peripheral vasodilatation.

SYMPTOMS: A person that has been exposed to and absorbed this product may experience dizziness, headache, irritability, nervousness or restlessness, nausea, vomiting, diarrhea, skin flushing, skin rash, sweating and tremors.

Oral LD₅₀ (mouse): 400 mg/kg; Oral LD₅₀ (rat): 1,200 mg/kg.

7. **FIRST AID: CONTACT EMPLOYEE HEALTH SERVICES IMMEDIATELY**
EYES: Flush with running water for 15 minutes.

SKIN: Wash contaminated area with soap and water

RESPIRATORY: Remove to fresh air.

SPECIAL PRECAUTIONS: Individuals with pre-existing cardiovascular disease (for example, hypertension or ischemic heart disease) should take special precautions to avoid accidental exposure to this product.

NOTE TO PHYSICIAN: This product contains an alpha-2 adrenoreceptor antagonist. Epinephrine should not be used to treat hypotension in humans resulting from exposure to this product since tolazoline may cause "epinephrine reversal" (further reduction in blood pressure, followed by an exaggerated rebound).

8. **HANDLING PRECAUTIONS:**

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Exercise reasonable care and caution.

REGULATORY INFORMATION: (Not meant to be all-inclusive--selected regulations represented.)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSDS for health and safety information.

U.S. REGULATIONS: SARA HAZARD CATEGORY: This product has been reviewed according to the federal EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to be exempt from reporting requirements. Nevertheless, potential reporters should check with their state emergency response commissions to determine if this product must be reported under applicable state requirements.