

#5410

MSDS No. AA 70
Effective Date July 1, 1986

SECTION I NAME

Product: L-ADRENALINE (1:10,000) AQUEOUS SOLUTION

Chemical Name: L-Edinephrine

Formula: 3,4-(HO)₂C₆H₃(OCH₂)₂NHCH₃

Lot(s) Size: 30 ml., 100 ml.

A.S. No. 51-43-4

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s): L-Adrenaline water solution

%: 0.01%

TLV units: None established

WARNING! NOT FOR CLINICAL USE.

For laboratory use only. Non-sterile solution.

SECTION III PHYSICAL DATA

Melting Point (°F): Freezes 0°C

Specific Gravity (H₂O = 1): 1.00 at 25°C

Boiling Point (°F): 100°C

Percent Volatile by Volume (%): 100

Vapor Pressure (mm Hg): 14 (water)

Evaporation Rate (Ether = 1): Greater than 1

Poor Density (kg = 1): 0.7 (water)

Solubility in Water: Complete

Appearance and Odor: Clear, colorless, water solution. No odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Non-combustible (NA).

Flammable Limits in Air (% by Volume): NA

Lower: --- Upper: ---

Extinguisher: Use any media suitable for extinguishing supporting fire.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

USUAL FIRE AND EXPLOSION HAZARDS

Slight, when exposed to heat or flame.

OTHER REGULATED

owned by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH/HAZARD DATA

Threshold Limited Value: None established.

Effects of Overexposure

Hazard information is not available for L-Adrenaline at this dilution (1:10,000). However, no ill effects are expected from this solution if direct contact or ingestion is avoided. (The following applies to the pure L-Adrenaline HCl powder undiluted with water. **INGESTION:** MAY CAUSE DEATH. **IRRITATION:** Dust may cause nasal irritation, increased heart rate, irritability, headache, elevated blood pressure and dilated pupils. **EYES:** May cause irritation.

Emergency and First Aid Procedures

If swallowed, if conscious, induce vomiting and call a physician. In case of contact with skin or eyes, flush with water. For eyes, if irritation develops, get medical attention.

SECTION VI REACTIVITY DATA

Stability: Unstable
Conditions to Avoid: Excessive temperature and heat.

Incompatibility (Materials to avoid): Strong oxidizers and alkaline materials.

Hazardous Decomposition Products

None known.

Hazardous Polymerization

May Occur: Will Not Occur
Conditions to Avoid: Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Dilute with water and flush to sewer with copious amounts of water.

Waste Disposal Method

Flush down sewer with large amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Discharge, treatment, or disposal may be subject to federal, state, or local laws.

Respiration Protection

None required.

Ventilation

Local Exhaust: None required
Mechanical (General): None required
Other: None

Protective Gloves

Goggles, smock, apron, eye wash station and proper gloves.

Eye Protection

Chemical safety glasses.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Store in a cool place. Wash thoroughly after handling.

Other Precautions

Read label on container before using.
Non-sterile solution.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No. 1 Date 11/2/87 Approved: *Charles A. Cicchitto* Chemical Safety Coordinator

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