

SAFETY DATA SHEET**Product Identification: Gingi-Pak with dl-epinephrine hydrochloride****Section 1: Product and Company Identification****1.1 Product identifiers**

Chemical Name:	(+/-) Adrenaline hydrochloride
Trade Name:	dl-epinephrine hydrochloride
Identification Number(s):	10120 10130 10135 10140 10145 10105 10110 10115 10170 10171 10172 10173

1.2 Identified uses

Caution: Federal Law restricts this product to sale and use on the order of a Dentist.

Gingi-Pak dl-epinephrine hydrochloride retraction cords/braids are used in the mechanical retraction of the gingival tissue around the tooth. Tissue moisture activates the dl-epinephrine.

1.3 Supplier

Manufacturer/Supplier:	Gingi-Pak 4825 Calle Alto, Camarillo, CA 93012
Product Information:	Phone: (805) 764-4464 / Fax: (805) 484-5076

1.4 Emergency Contact: (805) 484-1051**Section 2: Hazard(s) Identification****2.1 Classification of dl-epinephrine hydrochloride****Pictogram:****Signal word:** Irritant.

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2.2 Label elements, including precautionary statements

Primary routes of exposure:

- Inhalation: Rare.
- Ingestion: Systemic reaction.
- Skin: May be an irritant.
- Eyes: Irritant

Precautionary statement(s):

- IF INHALED: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical assistance.
- IF INGESTED: DO NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call physician immediately.
- IF ON SKIN: Wash affected area. Cover irritated skin with an emollient.
- IF IN EYES: Check for and remove any contact lenses. In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Precaution: In individuals with cardiovascular disease, diabetes, hyperthyroidism and hypertension.

Hazardous statements

- **Acute:** Heart palpitations, anxiety, rapid pulse.
- **Chronic:** Systemic reaction may aggravate existing medical conditions.

Section 3: Composition/Information on Ingredients

- Chemical Family: Vasoconstrictor.
- Formula: C₉H₁₃NO₃

Constituent	CAS Number	RTECS
Epinephrine	51-43-4	DO2625000

Section 4: First-Aid Measures

- Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical assistance.
- Ingestion: DO NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call physician immediately.
- Skin: Wash affected area. Cover irritated skin with an emollient.

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- Eyes: Check for and remove any contact lenses. In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Section 5: Fire-Fighting Measures

- Extinguishing Media: CO₂ dry foam powder, water spray.
- Flammability of Product: May be combustible at high temperature.
- Unusual fire and explosion hazards: Hazardous fumes.

Section 6: Accidental Release Measures

- Steps to be taken if material is released or spilled: Absorb and flush area with water.
- Waste disposal method: Dispose of all wastes in accordance with Federal, State and Local regulations.
- Environmental hazards: N/A

Section 7: Handling and Storage

- Handling Precautions: General care.
- Storage Precautions: Keep container tightly closed. Sensitive to light. Air sensitive.

Section 8: Exposure Controls/Personal Protection

- Respiratory Protection: Dust mask recommended.
- Protective Gloves: Suitable to avoid contact.
- Eye Protection: Safety glasses.
- Medical Surveillance: N/A

Section 9: Physical and Chemical Properties

Information on physical and chemical properties:

- Appearance (physical state, color, etc.): White power-dry form and light yellow to clear liquid.
- Odor/Odor threshold: No data available.
- Upper/lower flammability or explosive limits: No data available.
- pH (1% soln/water): 9.0 at g/l
- Relative density: No data available.
- Melting point: 211°C (411.8°F) - 212 C
- Freezing point: No data available.
- Initial boiling point and boiling range: No data available
- Flash point: No data available.
- Evaporation rate: No data available.
- Flammability (solid, gas): No data available.

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- Upper/lower flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor density: No data available.
- Relative density: No data available.
- Solubility:
Very slightly soluble in cold water.
Insoluble in diethyl ether, acetone.
Readily soluble in aqueous solutions of mineral acids and sodium hydroxide and potassium hydroxide.
Insoluble in chloroform, oils, aqueous solutions of ammonia and of alkali carbonates.
Very slightly soluble in alcohol.
Solubility in Water: 1000 mg/l @ 20-25 deg. C.
- Partition coefficient: n-octanol/water: No data available.
- Auto-ignition temperature: No data available.
- Decomposition temperature: No data available.
- Viscosity: No data available.

Section 10: Stability and Reactivity

Stability

- Stability: Stable.
- Conditions of Instability: Excess heat, incompatible materials, light, air.
- Incompatibility with various substances: Reactive with oxidizing agents, alkalis.

Reactivity: Air and light sensitive.

Section 11: Toxicological Information

- Routes of Entry: Absorbed through skin. Dermal contact. Inhalation. Ingestion.
- Toxicity to Animals: Acute dermal toxicity (LD50): 62 mg/kg [Rat].
- Chronic Effects on Humans:
Mutagenic Effects: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.
May cause damage to the following organs: cardiovascular system, upper respiratory tract, central nervous system (CNS).
Hazardous in case of skin contact (permeater), of ingestion, of inhalation.
Slightly hazardous in case of skin contact (irritant).
- LDL oral rat 30mg/kg
- LDL oral mouse 50mg/kg
- LDL[Rat] – Route: Intraperitoneal; Dose: 10mg/kg
- .Potential Health Effects:
Skin: May cause skin irritation.
Eyes: May cause eye irritation.
Inhalation: May be harmful if inhaled.
Ingestion: Harmful if swallowed.

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- Ecotoxicity: Ecotoxicity in water (LC50): 40 mg/l 24 hours [Daphnia (daphnia)]. 31.7 mg/l 48 hours [Daphnia (daphnia)].
- Persistence and degradability: No data available
- Bioaccumulation potential: No data available
- Mobility in soil: No data available
- Other adverse effects: No data available

Section 13: Disposal Considerations (non-mandatory)

- Disposal method: Dispose of all wastes in accordance with Federal, State, and Local Regulations.

Section 14: Transport Information (non-mandatory)

- DOT Classification: Not DOT controlled material (United States).
- Identification number: N/A
- Hazard class: N/A
- Labels required: N/A

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Section 15: Regulatory Information (non-mandatory)

Component: dl-Epinephrine

California Proposition 65 (cause cancer which would require a warning under statute):	Not on list.
Section 355 (extremely hazardous substances):	Not on list.
SARA 313 (specific toxic chemical listing):	Not on list.
RCRA Code:	P042
TSCA (Toxic Substances Control Act):	Not on list.
Other Classification: WHMIS (Canada): D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).	HMIS (U.S.A.): Health Hazard: 2 Fire Hazard: 1 Reactivity: 0 Personal Protection: E
National Fire Protection Association (U.S.A.) Health: 2 Flammability: 1 Reactivity: 0 Specific Hazard:	
Carcinogen Effects	Not available.
Mutagenic Effects	Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.
Teratogenic Effects	Not available.

Section 16: Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Gingi-Pak shall not be held liable for any damage resulting from handling or from contact of the above product.

Preparation Information:
Gingi-Pak, A Division of Belpport, Inc.

Revision Date:
6/09/2014