



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Epinephrine Bitartrate USP

50-2395

Section 1: Identification

Product Name Epinephrine Bitartrate USP

Commercial Name Not available.

Product Use Not available.

Restrictions On Use Not available.

Product Code 50-2395

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Acute toxicity, oral Category 1
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) Fatal if swallowed.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Not available

Response P301+P330+P331+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately Call a POISON CENTER/doctor

Storage Not available

Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance

Components Epinephrine Bitartrate USP

% By Weight 100

CAS# 51-42-3

Molecular Weight 333.29 g/mole

Chemical Formula C₉H₁₃NO₃.C₄H₆O₆

Synonym(s) L-Adrenaline

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Epinephrine Bitartrate USP	51-42-3	100	Not available.	ORAL (LD50):Acute: 4 mg/kg[Mouse].

Section 4: First-Aid Measures

Inhalation	Move to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen
Skin Contact	Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
Eye Contact	Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
Ingestion	Wash out mouth with water provided person is conscious. Call a physician immediately.
Symptoms/Effects	
Acute	Cough, shortness of breath, headache, nausea, vomiting, sweating
Delayed	Cough, shortness of breath, headache, nausea, vomiting, sweating
Immediate Medical Attention	
Not available.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water spray. Carbon Dioxide, dry chemical powder, or appropriate foam.

Unsuitable Extinguishing Media

N/A

Products of Combustion

Carbon oxides, Nitrogen oxides, Hydrogen chloride gas

Firefighters Special Equipment and Precautions

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Person-related safety precautions: Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Environment precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Methods and materials for containment and cleaning up: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7: Handling and Storage

Information for safe handling: Ensure good ventilation at the workshop and store in cool, dry place in tightly closed containers. Conditions for safe storage, including any incompatibilities: Information about storage in one common storage facility: packed in alum foil in vacuum; Further information about storage conditions: Store in cool, dry condition and keep from light.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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Personal Protection

Eye/face protection: Face shield and safety glasses use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with the product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Body protection: Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respirator protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)/ Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Control of environment exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 9: Physical and Chemical Properties

Appearance	a white or almost white crystalline powder. Solid.		
Odor	Not available		
Odor Threshold	Not available.		
Melting Point	Not available	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	Not available.
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available
Solubility(ies)	Not available		
Other	Not available		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available
Conditions to Avoid	Light and oxygen
Incompatible Materials	Acids, acid chlorides, acid anhydrides, oxidizing agents
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information**RTECS** Not available.**Acute Toxicity**

Not available

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

No component of this product present at levels greater than equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive Toxicity

Not available.

Routes of Entry

Not available

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

Not available.

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of the material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Disposal of Container

Disposes of as unused product

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

14.1 UN number ADR/RID: 2811 IMDG: 2811 IATA: 2811 14.2 UN proper shipping name ADR/RID: Toxic solid, Organic, N.O.S. Epinephrine Bitartrate IMDG: Toxic solid, Organic, N.O.S. Epinephrine Bitartrate IATA: Toxic solid, Organic, N.O.S. Epinephrine Bitartrate 14.3 Transport hazard class (es) ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1 14.4 Packaging group ADR/RID: I IMDG: I IATA: I 14.5 Environmental hazards ADR/RID: no IMDG: no IATA: no

Section 15: Regulatory Information**Regulations**

Not available

Other

Not available.

Section 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship