



## Safety Data Sheet

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

Enalapril Maleate USP

30-3336

### Section 1: Identification

**Product Name** Enalapril Maleate USP

**Commercial Name** Not available.

**Product Use** Not available.

**Restrictions On Use** Not available.

**Product Code** 30-3336

**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:** Physical / Chemical Hazards: Reproductive hazard. This material is a severe eye irritant.  
**CFR 1910.1200**

**Signal Word** DANGER

**Hazard Statement(s)** Causes serious eye irritation. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

**Pictogram(s) or Symbol(s)**



**Precautionary Statement(s):**

<b>Prevention</b>	Not available.
<b>Response</b>	Not available.
<b>Storage</b>	Not available
<b>Disposal</b>	Not available.

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance

**Components** Enalapril Maleate USP

**% By Weight** 100

**CAS#** 76095-16-4

**Molecular Weight** Not available.

**Chemical Formula** C<sub>20</sub>H<sub>28</sub>N<sub>2</sub>O<sub>5</sub>

**Synonym(s)** Enalapril \* Enalapril Maleate \* N-((S)-1-Ethoxycarbonyl-3-) TjETBT/PjCourier 10 Tf72

#### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Enalapril Maleate USP	76095-16-4	100		

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Remove to fresh air.
<b>Skin Contact</b>	Flush with copious quantities of water.
<b>Eye Contact</b>	Avoid contact. Flush with copious quantities of water
<b>Ingestion</b>	Flush out mouth with water.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Effects and symptoms: Over dose may cause dizziness or fainting sodium depletion, and increased levels of potassium in the blood.
<b>Delayed</b>	Effects and symptoms: Over dose may cause dizziness or fainting sodium depletion, and increased levels of potassium in the blood.

**Immediate Medical Attention**

Not available.

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

Water spray, dry chemical, Carbon dioxide or foam as appropriate for surrounding fire and materials.

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

Emits toxic fumes under fire conditions: This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

**Firefighters Special Equipment and Precautions**

As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing. Wear a NIOSH approved respirator, if it is determined to be necessary by an industrial hygiene survey involving air monitoring. In the event that a respirator is not required, an approved dust mask should be used.

**Section 6: Accidental Release Measures**

Large spill and leak: Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labeled container for disposal. Wash spill site. Personal protection in case of large spill: Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

**Section 7: Handling and Storage**

Handling; As a general rule, when handling USP Reference standards avoid all contact and inhalation of dust, mists, and/or vapours associated with the material. Wash thoroughly after handling. Storage: Preserve in well-closed containers, and store at controlled room temperature.

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Not available.		
<b>Engineering Controls</b>	Use adequate general or local exhaustive ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.		
<b>Personal Protection</b>	Respiratory system: Wear a NIOSH approved respirator, if it is determined to be necessary by an industrial hygiene survey involving air monitoring. In the event that a respirator is not required, an approved dust mask should be used. Skin and body: Protect exposed skin. Hands : Wear rubber gloves. Eyes : Wear safety goggles.		

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Solid. White to off white crystalline powder.		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	143 - 144.5 C	<b>pH</b>	Not available.
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not available.
<b>Boiling Point/Range</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	Not available.	<b>Viscosity</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	432 C
<b>Flammability</b>	Not available.	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available.
		<b>Upper</b>	Not available.
<b>Solubility(ies)</b>	Sparingly soluble in water.		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available.
<b>Chemical Stability</b>	The product is stable.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	Material is stable from a safety point of view.
<b>Incompatible Materials</b>	Not available.
<b>Hazardous Decomposition Products</b>	Not available.

**Section 11: Toxicological Information****RTECS** TW3666000**Acute Toxicity**

Possible eye, skin, gastrointestinal and for respiratory tract irritation.

**Skin Corrosion/Irritation**

Not available.

**Serious Eye Damage/Irritation**

Not available.

**Respiratory or Skin Sensitization**

Not available.

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**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**

Dispose of waste in accordance with all applicable state and local laws.

**Disposal of Container**

Not available.

**Other Considerations**

Not available.

**Section 14: Transport Information****DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

**Section 15: Regulatory Information****Regulations**

Not available.

**Other**

Not available.

**Section 16: Other Information**

This product is sold for manufacturing purpose only.