


Section 1: Identification

Common Name/Trade Name	BENZOCAINE USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	Benzoic acid, p-amino- ethyl ester; Benzocaine; 4-Aminobenzoic acid ethyl ester	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute Toxicity, Dermal (Category 5), Acute Toxicity, Oral (Category 5), Acute Toxicity, Inhalation (Category 5), Skin Irritation (Category 2), Eye Irritation (Category 2A), Sensitization, Skin (Category 1)	
Signal Word	Warning	
Hazard Statement(s)	H303 H313 H315 H317 H319 H333	May be harmful if swallowed May be harmful in contact with skin Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation May be harmful if inhaled
Pictogram(s)		
Precautionary Statement(s)	P262 P280 P305+P351+P338	Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	Ethyl 4-aminobenzoate
Common Name	Benzocaine
CAS Number	94-09-7
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	General considerations : The substance is harmful and irritant.
If Inhaled	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
In Case of Skin Contact	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
In Case of Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
If Swallowed	Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Most Important Symptoms and Effects	Inhalation : Causes respiratory tract irritation. May be harmful if inhaled. Skin : Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May be harmful if absorbed through the skin. Eyes : Causes eye irritation. May cause chemical conjunctivitis. Ingestion : May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards Arising From the Substance/Mixture	Emits toxic and corrosive fumes of CO, CO ₂ & Nox.
Special PPE and/or Precautions for Firefighters	Wear NIOSH/MSHA approved or equivalent self contained breathing apparatus with full face respirator and full protective clothing.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Wear appropriate NIOSH/MSHA approved respirator, chemical safety goggles, compatible chemical resistant gloves, safety boots. Safety shower, eye bath and mechanical exhaust required. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
Methods and Materials Used for Containment	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided
Cleanup Procedures	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for Safe Handling	Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid inhalation and ingestion. Use with adequate ventilation. Wash clothing before reuse.
Conditions for Safe Storage	Preserve in well-closed containers(USP 38). Protected from light(BP2015, EP 8.6). Keep away from incompatible substances. Avoid contact with oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Exposure Limits : No data available
Appropriate Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low
PPE - Eye/Face Protection	Wear chemical safety goggles.
PPE - Skin Protection	Protective clothing should give complete coverage to avoid skin contact.
PPE - Body Protection	Wear appropriate protective gloves. Protective clothing should give complete coverage to avoid skin contact.
PPE - Respiratory Protection	Wear appropriate NIOSH/MSHA approved respirator.

Section 9: Physical and Chemical Properties

Appearance	Small white crystals or white, crystalline powder.
Upper/Lower Flammability or Explosive Limits	Non-flammable, May be combustible at high temperature.
Odor	Odorless
Vapor Pressure	0.0006 (250C) -lit.
Odor Threshold	No data available
Vapor Density	No data available
pH	pH (Sat. aq soln.) : 6.0- 7.0
Relative Density	No data available
Melting Point/Freezing Point	88-92°C (End of melting does not exceed 2°C)
Solubility	Water solubility : Very slightly soluble in water. Freely soluble in alcohol in chloroform and in ether. Sparingly soluble in almond oil and olive oil. Dissolves in dilute acids.
Initial Boiling Point and Boiling Range	172°C @ 17.00hPA -lit.
Flash Point	>100 °C-lit.
Evaporation Rate	No data available
Flammability (Solid, Gas)	Non-flammable, May be combustible at high temperature.
Partition Coefficient	2.49 -lit.
Auto-Ignition Temperature	>450 deg C. -lit.
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	Reacts with strong oxidizing agents, reducing agents, acids, bases.
Chemical Stability	Stable under normal temperatures and pressures. Light and air sensitive.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Incompatible materials, dust generation, excess heat, ignition sources, strong oxidants.
Incompatible Materials	Strong oxidizing agents, reducing agents, acids, bases.
Hazardous Decomposition Products	Toxic and corrosive fumes or Nitrogen oxides, carbon monoxide, carbon dioxide.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral - rat - 3042 mg/kg
Acute Toxicity - Inhalation	Causes respiratory tract irritation. May be harmful if inhaled.
Acute Toxicity - Dermal	Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May be harmful if absorbed through the skin.
Acute Toxicity - Eye	Causes eye irritation. May cause chemical conjunctivitis.
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	Causes eye irritation. May cause chemical conjunctivitis.
Respiratory or Skin Sensitization	Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May be harmful if absorbed through the skin.
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	No data available
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	No data available.
Carcinogenicity OSHA	No data available.
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 7.2 mg/l - 96 h. Component Freshwater Algae Freshwater Fish Microtox Water Flea Benzocaine Not listed 7.48 - 11.3 mg/L LC50 96 h 24.9 - 26.9 mg/L LC50 96 h 34.6 - 36.1 mg/L LC50 96 h 5.92 - 9.76 mg/L LC50 96 h 17.9 - 20.1 mg/L LC50 96 h Not listed Not listed
Persistence and Degradability	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are more toxic.
Bio-accumulative Potential	No data available
Mobility in Soil	log Pow : 1.92
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Observe all federal, state, and local environmental regulations.
Waste Treatment Methods Packaging	Dispose of as unused product.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

Substance giving rise to classification : Benzocaine CAS Number : 94-09-7 EC (EINECS) No. : 202-303-5 15.1 Other National Regulatory Information
U.S. TSCA listings : Listed on the TSCA Inventory. DOT classification : Not regulated as a hazardous substances. OSHA, CERCLA SARA TITLE III : None
of the chemicals in this product are considered highly hazardous by OSHA. Other Information : Listed on the Canadian DSL.

Section 16: Other Information

Additional Information	U.S. HMIS Ratings : Health: 2; Flammability: 1; Reactivity: 0; Personal Protection: E
Prepared By	Lisa Russell
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