


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)
Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au	
Product Synonym(s)	Benzoic acid, 4-amino-, ethyl ester; Ethyl aminobenzoate; Ethyl PABA	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute Toxicity, Oral (Category 5), Sensitization-Skin (Category 1), Skin Irritation (Category 2), Eye Irritation (Category 2A), Acute Aquatic Toxicity (Category 2)	
Signal Word	Danger	
Hazard Statement(s)	H303 H313 H315 H317 H319 H333 H401	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 Toxic to aquatic life
Pictogram(s)		
Precautionary Statement(s)	P261 P264 P272 P273 P280 P302+P350 P305+P351+P338 P332+P313 P337+P313 P362 P501	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN Gently wash with soap and water. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. If skin irritation occurs Get medical advice/attention. If eye irritation persists Get medical advice/attention. Take off contaminated clothing and wash before reuse. Dispose of contents/container to an approved waste disposal plant.
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

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

Section 4: First Aid Measures

General Advice	No data available
If Inhaled	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
In Case of Skin Contact	Wash with soap & water for 15 minutes. If irritation persists seek medical aid.
In Case of Eye Contact	Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid.

If Swallowed	Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.
Most Important Symptoms and Effects	Not expected to present a significant hazard under anticipated conditions of normal use.
Section 5: Fire Fighting Measures	
Suitable Extinguishing Media	Small fire; dry chemical, CO ₂ or water spray. Large fire: dry chemical, CO ₂ , alcohol resistant foam or water spray. Do not get water inside containers.
Special Hazards Arising From the Substance/Mixture	May be combustible at high temperature. Under fire conditions, hazardous fumes will be present.
Special PPE and/or Precautions for Firefighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6: Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Methods and Materials Used for Containment	On land, sweep or shovel into suitable containers. Minimize generation of dust.
Cleanup Procedures	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilated and clean the affected area. Do not flush into sewage system or to drains.

Section 7: Handling and Storage	
Precautions for Safe Handling	Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Store away from incompatible materials, in a well-ventilated area. Eliminate all sources of ignition. Store in accordance with local regulations. Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.
Conditions for Safe Storage	Store in original container, tightly sealed, protected from direct sunlight and moisture. Preserve in well-closed containers. Protect from light.

Section 8: Exposure Controls/Personal Protection	
Components with Workplace Control Parameters	N/L=Not Listed. OSHA PEL: TWA- N/L, Ceiling- N/L, STEL-, REL-, IDLH-, Remarks-. ACGIH TLV: TWA- N/L, Ceiling- N/L, STEL- N/L, REL-, IDLH-, Remarks-. NIOSH: TWA- N/L, Ceiling- N/L, STEL- N/L, REL- N/L, IDLH- N/L, Remarks-. AIHA WEEL: TWA- N/L, Ceiling- N/L, STEL- N/L, REL-, IDLH-, Remarks-. Safe Work Australia HSIS: TWA- N/L, Ceiling- N/L, STEL- N/L, REL-, IDLH-, Remarks-. HSE: TWA- N/L, Ceiling- N/L, STEL- N/L, REL-, IDLH-, Remarks-. Consult local authorities for provincial or state exposure limits. Particulates not otherwise regulated, respirable fraction: 5 mg/m ³ .
Appropriate Engineering Controls	Adequate mechanical ventilation. Fume hood, eye wash station, and safety shower.
PPE - Eye/Face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
PPE - Skin Protection	Wear appropriate gloves to prevent skin exposure.
PPE - Body Protection	Wear appropriate protective clothing to minimize contact with skin.
PPE - Respiratory Protection	Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9: Physical and Chemical Properties

Appearance	Small white crystals or white, crystalline powder.
Upper/Lower Flammability or Explosive Limits	Not available
Odor	Odorless
Vapor Pressure	0.00003 - 0.00004 kPa (25°C)
Odor Threshold	Not available
Vapor Density	Not available
pH	6.0-7.0
Relative Density	No data available
Melting Point/Freezing Point	88-92°C (190.4-197.6°F)
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	310°C, 590°F
Flash Point	164°C, 327.2°F.
Evaporation Rate	Not available
Flammability (Solid, Gas)	Not available
Partition Coefficient	2.49
Auto-Ignition Temperature	>450°C, > 842°F
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	Not established.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Not established.
Conditions to Avoid	Moisture, sunlight and extreme temperatures. Air and Light sensitive.
Incompatible Materials	Strong oxidizing agents, Strong reducing agents, Perchloric acid, Nitric Acid. Bases.
Hazardous Decomposition Products	Hazardous decomposition products: Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and other gases may occur. Hazardous polymerization will not occur.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Oral: Rat: LD50: (mg/kg): 3042. May be harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Acute Toxicity - Inhalation	Inhalation: Rat: LC50: (mg/L/4hr): Not available. May be harmful if inhaled. Causes respiratory tract irritation.
Acute Toxicity - Dermal	Dermal: Rabbit LD50: (mg/kg): Not available. Causes skin irritation. May be harmful if absorbed through skin. Causes skin irritation. May cause an allergic skin reaction and sensitization on skin contact. Avoid repeated or prolonged skin contact.
Acute Toxicity - Eye	Causes serious eye irritation.
Skin Corrosion/Irritation	Causes skin irritation.
Serious Eye Damage/Irritation	Causes serious eye irritation.
Respiratory or Skin Sensitization	Respiratory sensitization: Due to lack of data the classification is not possible. Skin sensitization: May cause an allergic skin reaction. The incidence of positive reactions in patients patch tested with benzocaine has ranged from 3.3 to 5.9%. Contact dermatitis has been reported in the literature. Local anesthetics may provoke types I and IV hypersensitivity reactions. Type I reactions (e.g. anaphylaxis) to local anesthetics are generally rare. Nevertheless, severe or fatal reactions have been associated.
Germ Cell Mutagenicity	Due to lack of data the classification is not possible. Suspected mutagen: The Toolbox profiler 'in vitro mutagenicity (Ames test) alerts by ISS' gives an alert for mutagenicity.
Carcinogenicity IARC	BENZOCAINE is not evaluated.
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	BENZOCAINE is not listed.
Carcinogenicity OSHA	BENZOCAINE is not listed.
Reproductive Toxicity	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Single Exposure	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Repeated Exposure	Based on available data, the classification criteria are not met.
Aspiration Hazard	Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Toxicity	EC50: 48 Hr: Crustacea: Daphnia (mg/L): 1.19*, LC50:96 Hr: Fish: Oncorhynchus mykiss (mg/L): 7.2. EC50:96 Hr: Green Algae: (mg/L): 2.1*
Persistence and Degradability	Suspected persistent in the environment: The Danish QSAR database contains information indicating that the substance is predicted as non-readily biodegradable.
Bio-accumulative Potential	Log Pow data suggests some potential for bioaccumulation: 2.49.
Mobility in Soil	Water solubility: 400 mg/L (20°C)
Other Adverse Effects	Toxic to aquatic organisms. This product is not intended to be released into the environment.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Dispose of in accordance with federal/local laws and regulations. Avoid release into the environment.
Waste Treatment Methods Packaging	No data available
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

BENZOCAINE 94-09-7: CERCLA 40 CFR Part 302.4: N/L. SARA (Title III) 40 CFR Part 372.65: N/L. EPA 40 CFR Part 355 Appendix A and B-N/L. Right-to-know: Pennsylvania, New Jersey, Massachusetts-N/L. California Prop 65-N/L. Australian Regulations-- Poisons and Therapeutic Goods Regulation: N/L. Therapeutic Goods Act: Listed as Schedule 4. Code of Practices-Illicit Drug Precursors: N/L.

Section 16: Other Information

Additional Information	N/A
Prepared By	Scarlotte Smith
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