



## Material Safety Data Sheet **PURELIFE TOPICAL ANESTHETIC GEL**

### Section 1 – Identification

**Product Name:** PureLife Topical Anesthetic Gel  
**Chemical Name:** 20% benzocaine gel  
**Family:** Topical anesthetic  
**Product Use:** Dental  
**Company:** PureLife Dental  
201 Santa Monica Blvd., Suite 400  
Santa Monica, CA 90401  
**Phone Number:** (877) 777-3303  
**Emergency Phone:** (800) 535-5053  
**Product #:** Various

### Section 2 – Hazards Identification

#### EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- May cause eye irritation.
- May cause allergic skin reaction.

#### Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry

**Eye** Avoid eye contact. Contact will cause irritation.  
**Skin** Avoid skin contact. Prolonged exposure may cause irritation.  
**Ingestion** May cause slight anesthetizing effect and throat irritation.  
**Inhalation** May cause irritation or a feeling of chest tightness.  
**Sub-Chronic Effects**

NOTE: Refer to Section 11, Toxicological Information for Details

### Section 3 – Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Benzocaine	94-09-7	202-303-5	N/E	N/E	Not Listed	20
Polyethylene glycol	25322-68-3	500-038-2	N/E	N/E	Not Listed	65-80
Sodium Saccharin	128-44-9	204-886-1	N/E	N/E	Not Listed	0-5
Flavoring*	Various	Various	N/E	N/E	Not Listed	0-5
Coloring*	Various	Various	N/E	N/E	Not Listed	0-5

\* Please see section 16 for specific ingredients

N/E = None Established

**Benzocaine:** Hazard Symbol: Xi Risk Phrases: R36/37/38, R43 Safety Phrases: N/E

### Section 4 – First Aid Measures

**First Aid for Eye** Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.  
**First Aid for Skin** Wash with soap and water. Get medical help if discomfort persists.  
**First Aid for Inhalation** Remove to fresh air. Get medical help if discomfort persists.  
**First Aid for Ingestion** If normal dose is swallowed, seek medical attention as soon as possible.

### Section 5 – Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
≥300 °F	LEL: N/A UEL: N/A	N/A



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### Method:

Extinguishing Media: Carbon dioxide, dry chemical foam, water can be used to cool fire exposed containers.  
 Fire Fighting Instructions: Evacuate all personnel and use protective equipment, including self-contained breathing apparatus  
 Unusual Hazards: When heated to decomposition, it emits highly toxic nitrous oxide.

### Section 6 - Accidental Release Measures

Spill or Release Procedures - For small spills, wipe up material with a chemical-resistant or damp rag; wash rag with copious water after use. Flush away any remaining traces with water.

For large spills, keep personnel away from area. Remove ignition sources and ventilate the area. Dike large spills and remove to salvage tanks or sealed containers. Prevent washings from entering all waterways. Disposal should be carried out in compliance with federal, state and local regulations regarding health, air and water pollution. Contact authorities in the event of a large spill.

### Section 7 - Handling and Storage

Handling Avoid contact.  
 Storage Keep container closed and away from heat, sparks, and open flame. Keep in a cool, well-ventilated area.

Explosion Hazard

### Section 8 - Exposure Controls / Personal Protection

Engineering Controls

Personal Protective Equipment

General

Eye/ Face Protection Suggested if eye contact is possible

Skin Protection Wear gloves when handling

Respiratory Protection Only if dusting is possible.

### Section 9 - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity (H <sub>2</sub> O = 1)	Viscosity	% Volatile		
Gel, Color dependant on flavor	Dependant on flavor	6	1.09/ 25°C	165,000 centipoise	0		
Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure (mm Hg):	Vapor Density (AIR = 1)	Evaporation Rate (Butyl Acetate = 1)	Ignition	Solubility In Water
			Negligible				Insoluble
Flash Point (°F/°C)		Flammable Limit (vol%)		Auto-ignition Temperature (vol%)			
> 300 °F		LEL - UEL -		N/A			

### Section 10 - Stability and Reactivity

Stability: Stable  
 Incompatibility (Materials to Avoid): Nitrates, strong oxidizers, strong acids.  
 Hazardous Decomposition Products: Highly toxic nitrous oxide, carbon monoxide, carbon dioxide  
 Hazardous Polymerization: Will not occur  
 Conditions to Avoid: Heat, incompatible substances



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### Section 11 - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
Benzocaine: Rabbit—oral LC50 1150 mg/kg			See sections 2 & 4	See sections 2 & 4
Sensitization		Mutagenicity	Sub-chronic Toxicity	

RTECS#:

### Section 12 - Ecological Information

#### Ecotoxicological Information

Acute Toxicity To Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
Benzocaine: Fish 15M EC50 7.3 mg/L				

#### Chemical Fate Information

Biodegradability	Biodegradable
Chemical Oxygen Demand	

#### Environmental Fate Information

### Section 13 - Disposal Considerations

Dispose in accordance with all regional, national, or local requirements.

### Section 14 - Transport Information

<b>DOT (49 CFR 172)</b>	
Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	None
Emergency Response Guidebook (ERG) #:	N/A
<b>IATA (DGR):</b>	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	None
Emergency Response Guidance (ICAO)#:	N/A
<b>IMO (IMDG):</b>	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	N/A

### Section 15 - Regulatory Information

#### US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP), as defined by the U. S. Clean Air Act: <ul style="list-style-type: none"> <li>NONE</li> </ul> This product contains no ODS's
Clean Water Act: Priority Pollutant	This product contains no chemicals listed under the U. S. Clean Water Act Priority Pollutant List.



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FDA: Food Packaging Status:	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food additive.
Occupational Safety and Health Act:	This product is not considered a hazardous chemical under the OSHA Hazard Communication Standard.
RCRA:	This product is not considered to be a hazardous waste under RCRA (40 CFR 261).
SARA Title III: Section 302 (TPQ):	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances that carry a TPQ.
SARA Title III: Section 302 (RQ):	This product contains no chemicals regulated under Section 304 as extremely hazardous chemical for emergency release notification ("CERCLA" List).
SARA Title III: Section 311-312:	This product does not contain hazardous substances under the OSHA Hazard Communication Standard, and is not regulated under Section 311-312 (40 CFR 370).
SARA Title III: Section 313:	This product contains no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals listed have a SNUR under TSCA.

### State Regulations

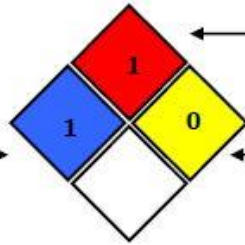

CA Right-to-Know Law:	NONE
California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	NONE
NJ Right-to-Know Law:	NONE
PA Right-to-Know Law:	NONE
FL Right-to-Know Law:	NONE
MN Right-to-Know Law:	NONE

### International Regulations

CDSL: Canadian Inventory (On Canadian Transitional List):	
EINECS: European Inventory:	<ul style="list-style-type: none"> <li>HAZARD SYMBOLS: Xi: Irritant</li> <li>RISK PHRASES: R36/37/38: Irritating to eyes, respiratory system, and skin R43: May cause sensitization by skin contact</li> <li>SAFETY PHRASES: None</li> </ul>

### Section 16 - Other Information

#### Hazard Rating System (Pictograms)

NFPA:		HMIS:	
	Health →	← Flammability	
		← Reactivity	

Revision History:	09/11/2003	Initial Issue
	07/12/2010	Update Format
	03/08/2011	Logo in header change - WME



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### MAY CONTAIN THE FOLLOWING CHEMICALS:

Chemical Identity	CAS Numbers	EINECS#	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
FD & C blue #1 lake	15792-67-3	239-897-0	N/E	N/E	Not Listed	0-5
FD & C green #3	2353-45-9	219-091-5	N/E	N/E	Not Listed	0-5
FD & C red #3	16423-68-0	240-474-8	N/E	N/E	Not Listed	0-5
FD & C red #40 lake	68583-95-9	271-524-7	N/E	N/E	Not Listed	0-5
FD & C yellow #5 lake	12225-21-7	235-428-9	N/E	N/E	Not Listed	0-5
FD & C yellow #6 lake	15790-07-5	239-888-1	N/E	N/E	Not Listed	0-5
Bubble gum flavor	N/A	N/A	N/A	N/A	N/A	0-5
Cherry flavor	N/A	N/A	N/A	N/A	N/A	0-5
Grape flavor	N/A	N/A	N/A	N/A	N/A	0-5
Mango flavor	N/A	N/A	N/A	N/A	N/A	0-5
Peppermint flavor	N/A	N/A	N/A	N/A	N/A	0-5
Piña colada flavor	N/A	N/A	N/A	N/A	N/A	0-5
Strawberry flavor	N/A	N/A	N/A	N/A	N/A	0-5

N/E = None Established      N/A = Not available

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