

SECTION I - Product/ Company Identification

Product Trade Name: LolliCaine
Common Name: 20% Benzocaine oral anesthetic

Manufacturer for: CENTRIX INC
Address: 770 RIVER ROAD, SHELTON, CT 06484
Emergency Telephone Number: Toll-Free (800)235-5862, (203)929-5582

SECTION II: Hazards Identification

Classification: Irritant.
Adverse human health effects: May be irritating to skin. May cause sensitization by skin contact.
GHS Classification:
Health Environmental Physical
Skin Sensitization Category 1(H317) Not hazardous Not hazardous

SECTION III: SECTION III - COMPOSITION

Hazardous Components	C.A.S.# / EC#	IUPAC Name	Substance Classification	WT%
Polyethylene Glycol	25322-68-3 / 500-038-2	Poly(oxy-1,2-ethanediyl), α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	Not classified as Hazardous Not Classified as Dangerous	30-50
Benzocaine	94-09-7 / 202-303-5	Ethyl p-aminobenzoate	Sens 1 (H317) Xi, R43	20

The exact concentration is being withheld as a trade secret.

SECTION IV: SECTION IV - FIRST AID MEASURES

4.1 Description of First Aid Measures:

Routes of Exposure First Aid Instructions
Eye: Flush eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation or other symptoms persist.
Skin Wash skin thoroughly with soap and water. Get medical attention if symptoms develop and persist.
Inhalation None needed under normal use conditions. If irritation develops, remove to fresh air. Get medical attention if symptoms persist.
Ingestion If swallowed, call a poison control center. Only induce vomiting if directed by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Contact with skin, eyes or mucous membranes may cause numbness. Repeated skin contact may cause burning and itching of the skin with dermatitis or rash.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

If skin sensitization occurs, discontinue use and get medical attention.
Note to Physicians (Treatment, Testing, and Monitoring): Treatment of overexposure should be directed at the control of symptoms and clinical conditions.

SECTION V - FIRE-FIGHTING MEASURES

Extinguishing media: Water spray or carbon dioxide
Special fire-fighting procedures: Use self-contained breathing apparatus
Unusual fire and explosion hazards: none

SECTION VI - ACCIDENTAL RELEASE MEASURES

For large spills, wear gloves and eye protection. Small spills do not require special precautions. Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities. Collect using an inert non-combustible absorbent material and place in appropriate containers for disposal.

SECTION VII - HANDLING AND STORAGE

For professional use only. Avoid contact with the eyes and skin. Wash thoroughly after handling. Use in accordance with package instructions. Store product in original container at cool room temperature (< 25°C) and in a dry, well-ventilated area. Avoid prolonged storage at elevated temperatures as product degradation may occur.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: Polyethylene Glycol
United States 10 mg/m3 TWA AIHA WEEL (aerosol)
Germany 1000 mg/m3 (inhalable) DFG MAK
European Union None Established
Eye protection, hands protection, Engineering controls or other equipment:
Safety glasses and plastic/rubber gloves

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Physical Data: Boiling point: higher than 250°C
Flash point: Higher than 300°F (Non-combustible liquid)
Specific gravity: 1.091/25°C Solubility in water: Disperse
Viscosity: 164,000 Centipoise (Brookfield, spindle #6, 5 RPM)
Appearance and odor: Gel with color and specified flavor
Melting point: N/A
pH in water: 6.05
Vapor pressure: Negligible

SECTION X - STABILITY AND REACTIVITY

Reactivity data: Stability: Stable in ordinary conditions
Incompatibility: Strong oxidizing agents
Hazardous decomposition products: Carbon dioxide and/or monoxide
Hazardous polymerization: Will not occur
Condition to avoid: None

SECTION XI - TOXICOLOGICAL INFORMATION

Potential Health Effects:
Eyes: Direct contact may cause irritation with redness and tearing. Numbness may occur.
Skin: Direct contact may cause numbness. Prolonged or repeated skin contact may cause contact dermatitis or hypersensitivity to benzocaine with burning, stinging, tenderness and edema.
Ingestion: Swallowing may cause nausea, vomiting and diarrhea. In rare cases, benzocaine has been shown to cause methemoglobinemia.
Inhalation: None expected from normal use. Inhalation of mists may cause respiratory irritation.
Chronic Health Effects: None expected.
Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC, ACGIH, NTP or EU Directives.
Mutagenicity: No data available
Medical Conditions Aggravated by Exposure: Employees with pre-existing skin disorders may be at increased risk from exposure.
Acute Toxicity Data:
Polyethylene Glycol: Oral mouse LD50 28,900 mg/kg
Benzocaine: LD50 oral rat 3,042 mg/kg
Reproductive Toxicity Data: No data available.
Specific Target Organ Toxicity (STOT):
Single Exposure: Benzocaine: When applied topically as recommended, benzocaine has been shown to be relatively nonotoxic, however, sensitization may occur.
Repeated Exposure: Propylene glycol: In 2 week inhalation study, rats were administered whole body exposure for 6 hr/day for 9 days. No exposure related clinical signs or ophthalmic changes were noted and no mortality was recorded during the study.

SECTION XII - ECOLOGICAL INFORMATION

Propylene glycol: Salmo salar (Atlantic salmon) >1000 mg/L
Benzocaine: Readily biodegradable
Benzocaine: Estimated BCF is 5. Potential for bioaccumulation is low.

SECTION XIII - DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local regulations

SECTION XIV - TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
DOT	None	Not Regulated	None(s)	None	No
ADR/RID	None	Not Regulated	None(s)	None	No
IMDG	None	Not Regulated	None(s)	None	No
IATA/ICAO	None	Not Regulated	None(s)	None	No

SECTION XV - REGULATORY INFORMATION

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
Toxic Substances Control Act (TSCA): This product is a drug and not subject to chemical notification requirements.
Clean Water Act (CWA): Not Listed
Clean Air Act (CAA): Not Listed
SARA Section 311/312 (40 CFR 370) Hazard Categories:
Immediate Hazard: Yes Pressure Hazard: No Fire Hazard: No
Delayed Hazard: No Reactivity Hazard: No

SECTION XVI - OTHER INFORMATION

Restrictions on use: to be sold to and used by dental professionals only.

CAUTION

The above information is based on presently available data and to our best knowledge for handling the product under normal conditions. Any use of this product in any way not indicated on this document or using it together with any other process/procedure will be exclusively under the user's responsibility

This product is covered by one or more of the following U.S. and foreign patents: 5001803; 5660273; 6116414; 6328159; 6685013; 6959808; D421,217; 077021; 1035033; 1197442; 7243789; and 3877764. Additional US and International Patents pending or granted.