



## SCOPE

This document provides an in-depth description of the background, research, purpose, and function of the BeeGentle Topical Anesthetic Varnish. It serves as a reference to any person wanting to know details about why this product is needed, how it works, and what the expected results are from using it.

## WHAT IS BeeGentle?

BeeGentle is a topical anesthetic varnish containing 20% benzocaine. It is water insoluble agent specifically designed to deliver topical anesthesia lasting 20–30 minutes. Ethanol based with a Honey flavor, the unique BeeGentle forms a white insoluble glaze (or covering) upon contact with moist tissue. The white glaze releases benzocaine at a constant rate over a 20-30 minute interval, and will remain in place until physically removed or slowly dissolved by saliva. BeeGentle will adhere to soft tissue allowing you to see exactly where the liquid is placed. This unique time-release formula provides longer lasting anesthesia than conventional water-soluble products.

Studies have shown that for benzocaine to be effective as an oral topical anesthetic it needs to remain on the treatment site for a minimum of 1 minute. Longer application times of topical benzocaine - 2-3 minutes - provide an even more effective anesthesia. (Gill & Orr, 1979) Most manufacturers of water-soluble topical anesthetics recommend a 10-15 second application time. The short application time and the removal of the anesthetic by saliva render these other anesthetics ineffective or quickly diluted or washed away. BeeGentle is designed to solve this dilemma and remain in place during treatment, delivering superior anesthesia over a 20–30 minute time period.

## CONDITIONS FOR USE

BeeGentle 20% Topical Anesthetic Varnish is indicated where oral topical anesthesia is necessary and for topical anesthesia during probing, scaling, root planning and cavitron procedures. BeeGentle is not recommended for use on patients with known allergies to benzocaine.

## HOW IS BeeGentle USED?

BeeGentle 20% Topical Anesthetic Varnish is applied by using an applicator brush or cotton swab to distribute a generous coat of the material to the intended site. BeeGentle will transition from a translucent liquid to a white opaque glaze as it comes in contact with the moist oral tissue. Using the white glaze as a visual indicator, you can identify exactly where BeeGentle is placed. The glaze acts as a delivery vehicle for the benzocaine. If you wish to reduce the amount of anesthesia, remove the glaze with a cotton gauze or cotton pellet until the desired level of anesthesia is achieved. BeeGentle has a profound anesthetic affect lasting 20–30 minutes. You may scale, root plane, probe and cavitron with minimal discomfort to the patient during this time.

## SUMMARY

BeeGentle offers a new and improved tool for topical anesthesia. With much greater contact and efficacy time, visible application, and a pleasant honey taste, BeeGentle is all the buzz.