

MI Varnish™ (GC America)

Project # 13-009

MI Varnish™ is a fluoride varnish containing 5% NaF and is the only fluoride varnish containing the active ingredient RECALDENT™ (CPP-ACP), a milk-derived protein that is reported to release bio-available calcium and phosphate to tooth surfaces. It is available in mint and strawberry flavors

MI Varnish™ is indicated in patients with a moderate to high caries risk. MI Varnish™ offers another strategy to help remineralize tooth enamel by incorporating CPP-ACP and Fluoride in their product. Casein Phosphopeptide (CPP) are natural occurring molecules which release calcium and phosphate ions and stabilize Amorphous Calcium Phosphate (ACP), which is a source of calcium and phosphate, along



with these ions occurring naturally in saliva. MI Varnish™ is indicated for moderate to high caries risk patients to stimulate remineralization and to relieve tooth sensitivity.

Our evaluators thought that the packaging and dispensing system of MI Paste Plus was easy to use. Eighty-three percent of evaluators felt that the material flowed well into interproximal areas. Sixty-seven percent of evaluators said the material did not clump and displayed good retention on tooth surfaces. However, one evaluator reported some clumping but admitted that there was some saliva contamination in that area. The patients did not have any objections to the flavor/odor of the product, but one patient reported a slight burning sensation to the strawberry flavor. Evaluators liked the fact that the product dried clear. One evaluator would prefer to see a color difference on the teeth so it would be easy to tell if the product was applied to all of the intended surfaces. Ninety-two percent of evaluators said they would purchase the product. The product was rated OUTSTANDING by 33% of evaluators, and EXCELLENT by 58%.

Manufacturer:

GC America
3737 W. 127th Street
Alsip, IL 60803
800-323-7063
800-423-2963 (FAX)
Gca_sales@gcamerica.com

Suggested Retail Price (through distributor):

MI Varnish 0.5 mL, 50/box \$120.99

Government Price:

MI Varnish 0.5 mL, 50/box \$90.74

ADVANTAGES:

- + Easy to apply
- + Dried clear
- + Pleasant taste
- + Recalcant remineralization technology

DISADVANTAGES:

- Only two flavors
- Strawberry flavor gave one patient a burning sensation



SUMMARY AND CONCLUSIONS:

MI Varnish™ was readily accepted with positive responses. It was rated OUTSTANDING by 33% of evaluators, and EXCELLENT by 58%. MI Varnish uses CPP-ACP technology which may have an added benefit over fluoride alone.

MI Varnish™ is rated **Excellent** for use in US Air Force dental facilities.

William J. Dunn, Col, USAF, DC
Commander, Dental Evaluation and Consultation Service