



**Dr. Sharp Fluoride-Free toothpaste (oral care products) was reviewed by the International Academy of Oral Medicine & Toxicology; the world's top researcher on fluoride since its introduction in the public water system over 50 years ago.**

**Read Review Below**

**Scientific Review Biocompatible Periodontal Therapy**

Received – 10/28/2013

Scientific Review – 01/06/2014

IAOMT Board Review – 03/20/2014

Approval – 03/22/2014

**APPROVAL**

**Explanation of IAOMT position:** This SR is an updated and improved version of Dr. Sharp Toothpaste (oral care products) SR from 2005 and 2010.

**Name of Scientific Review:** Dr. Sharp Natural Oral Care Products

**Alternative name(s) of Scientific Review:** same

This Scientific Review is related to Dentistry

This Scientific Review is a Product

**Do you have a vested financial interest in any part of this SOC/SR?** no

**Purpose of the Scientific Review:** Dr. Sharp natural oral care products represent a revolutionary departure from fluoride toothpastes, combining the latest dental science and technology with natural ingredients to produce a safe, fluoride-free toothpaste, most effective in the care of teeth and gums. See other IAOMT Scientific Reviews pertaining to the toxic effects of fluoride.

**Scientific Review History:** Toothpaste has been used to clean teeth for centuries with widely known and accepted benefits towards oral health.

**A brief description of the Scientific Review:** Dr. Sharp toothpaste formula (oral care products) is founded upon the fluoride free concept and philosophy, including natural ingredients. It does not contain fluoride, sodium lauryl sulfate, parabens and alcohol.

**Toothpaste Ingredients & Benefits**Ingredients: Glycerin, Hydrated Silica, Water (Aqua), Natural Flavor, Xylitol, Salva Officinalis (Sage) Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Bambusa Vulgaris Leaf/stem Extract, Commiphora Myrrha Resin Extract, Camellia Sinensis (Green Tea) Leaf Extract, Echinacea Purpurea Extract, Melaleuca Alternifolia (Tea Tree) Flower/leaf/stem Extract, Carrageenan, Cellulose Gum, Calcium Glycerophosphate, Sodium Bicarbonate, Lauramidopropyl Betaine, Sodium, Benzoic Acid, Sodium Benxoate, Potassium Sorbate, Citric Acid, Titanium Dioxide.

Ingredient	Benefit
Deionized Water	Solvent
Carrageenan	Viscosity Agent
Cellulose Gum	Viscosity Agent
Glycerin	Humectant, Solvent, Naturally Sweet Tasting
Titanium Dioxide	Opacifying & Whitening Agent
Furdentyl Calcium	Natural Mineral, Gentle Abrasive
Sodium Bicarbonate	Abrasive
Xylitol	Sweetener
Benzoic Acid	Preservative
Lauramidopropyl Betaine	Surfactant, Cleansing Agent
Sage Extract	Anti-Inflammatory
Licorice Extract	Anti-Inflammatory
Bamboo Extract	Abrasive, Anti-Inflammatory
Myrrh Extract	Anti-Inflammatory, Astringent, Help Heal
Green Tea Extract	Anti-Inflammatory
Echinacea Purpurea Extract	Anti-Inflammatory
Tea Tree Extract	Anti-Septic, Treatment Of Problem Breath
Amorphous Silica 1 & 2	Abrasive, Cleaning, Whitening
Flavor	Taste

**Manufacturer(s):** Dr. Sharp, LLC

**Distributor:** Dr. Sharp LLC; Valeria Braga, C.O. For Further information see web site:

[www.drsharpcare.com](http://www.drsharpcare.com) or [www.sharpdentistry.com](http://www.sharpdentistry.com)

### **Scientific Literature:**

Toothpaste Ingredient References

**Glycerin** (vegetable origin) - Soothing humectant, help coat sensitive tissues, of sweet taste, and slight anti-bacterial activity (contributing to reduction of bacteria in the mouth)

- "Anti-bacterial effect of glycerine (in vivo) at various concentration" F. Burkell J. Br.Dent. 29: 326 (1969)
- " Glycerine and gum sensitivity.. clinical trials" J. Dent. Hyg. P. Grossmann 152: 42 (1982)

**Sodium bicarbonate - (soda)** water-soluble, slightly alkaline, helps neutralize mouth-bacteria produced acids that weaken tooth enamel, also helps prevent plaque-formation where bacteria multiply (helps reduce yellowing, and slight discoloration of teeth)

- "Neutralizing effect of soluble bicarbonates on bacterial acids formation" T. Veckles J. Dent. Pathology 86: 684 (1968)
- "Dental matrix health and benefits of acidity reduction" Branderwer H. Dent. Res. 21: 139 919580

**Carrageenan** (sea kelp gel extract) - natural colloidal-gum, gels in water helps protect-coat mouth soft-tissue (gums) from irritants (especially helpful with sensitive-gums) leaves pleasant after-taste.

- "Occlusive benefits of carrageenans, other gums, in gum sensitivity reduction" J. Prev. Dentistry K. Mosslet 22: 479 (1963)
- " Phytotherapie, traitement des maladies" Dr. K Zantler J de Medicine (1973) p 194,,369\
- "Codex Vegetabilis" E.F. Steinmetz Amsterdam 1247 (1955)

**Xylitol** sweetener and cavity prevention

- Xylitol in caries prevention: What is evidence for clinical efficacy? Mäkinen KK. Bioche Scheie AA, Fijerskov O. Oral Dis 1998;4(4):
- Principles of the use of xylitol in medicine and nutrition with special consideration of dental aspects. 268-78.mical, Experientia Suppl 1978;30:1-160.
- Xylitol and dental caries: An overview for clinicians. Lynch H, Milgrom P., J Calif Dent Assoc 2003;31:205-9.

**Melaleuca Alternifolia (Tea Tree)** known for its natural soothing and cleansing properties.

- "Melaleuca L.". Germplasm Resources Information Network. United States Department of Agriculture. 2009-01-27. Retrieved 2009-11-10.
- "Antifungal activity of the components of Melaleuca alternifolia (tea tree) oil". Hammer KA et al. (2003). *J. Appl. Microbiol.* **95** (4): 853–860.
- "A comparison of the antibacterial efficacies of essential oils against oral pathogens". Takarada K et al. (2004). *Oral Microbiol. Immunol.* 19 (1): 61–64

**Additional References:**

"Cosmetics Science and Technology" **H . Goulden**

"Principles and Practice of Modern Cosmetics" **W. Middleton**

"Advances in Cosmetic Technology" **R. Goldemberg Vol 1.**

"Cosmetics Science and Technology" **Balsam, Sagarin**

"Textbook of Pharmacognosy" **G Treese (1960)**