



Formulation

No. 4051

Natural Gentle Toothpaste

DESCRIPTION

This sulfate-free toothpaste features **Suga®Nate 160NC** for cleansing with exceptionally low irritation potential and neutral flavor profile. With its exceptionally low irritation potential, supported by results using in-vitro gingival and mucosal models, Suga®Nate 160NC is the ideal choice for next-generation oral care products.

FORMULATION

Order	INCI	Trade Name	%	Function
1	Water	Water	17.25	Diluent
2	Sorbitol	Sorbitol 70%	25.00	Humectant
3	Glycerin	Glycerin	10.00	Humectant
4	Cellulose Gum	Aqualon™ CMC-7MF ¹	1.25	Thickener
5	Peppermint Oil	Nat. Mint Extract ²	1.00	Flavor
6	Stevia	Stevia	0.50	Sweetener
7	Betaine	Colonial BetaNat	1.00	Dry mouth relief
8	Hydroxyapatite, Calcium Carbonate	Omyadent® 100-OG ³	5.00	Remineralization
9	Calcium Carbonate	Omyacare® S95-OG ³	35.00	Abrasive
10	Sodium Laurylglucosides Hydroxypropylsulfonate	Suga®Nate 160NC	4.00	Surfactant

PROCEDURE

1. Combine ingredients 1 – 2 and mix until uniform.
2. In a separate vessel, combine ingredients 3 – 4 as a premix. Add the premix to the primary vessel and mix for 30 minutes or until completely hydrated.
3. Add ingredients 5 – 7. Mix until uniform.
4. Slowly add ingredients 8 – 9 and continue mixing until well dispersed, without clumps.
5. Add ingredient 10. Continue mixing until uniform.

TYPICAL PROPERTIES

Appearance Opaque, White Paste
 pH (10%) 8.0 – 9.0

SUPPLIERS

¹Ashland, ²Flavorchem, ³Omya

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