

FRAME FORMULATION

TOTAROL™ TOOTHPASTE

- ⊕ The liquid base is prepared first - water, sorbitol/glycerin and other liquid ingredients.
- ⊕ Rheology modifiers may be pre-mixed with a non-aqueous liquid ingredient such as glycerin or the flavoring oil, or dry blended with other powdered ingredients to aid dispersion.
- ⊕ The active ingredient, sweetener and preservative are added and dispersed.
- ⊕ The abrasive/filler is then added. This may be supplied as a slurry, or premixed with part of the water prior to blending with the liquid base.
- ⊕ Flavoring and coloring are added.
- ⊕ The detergent is added last under slow speed agitation to minimize foaming. It is typically in solid form to avoid adding water to the formulation at this stage.

NAME	%WT
PHASE A	
Water	8.1
Glycerine	40
Xathan Gum	0.1
Carrageenan	0.5
Betafin BP20	4
Xylitol	4
Sispernat 22S (Hydrated Silica)	13
Calcium carbonate	25
Spearmint oil	0.2
Peppermint oil	0.2
Fennel oil sweet	0.2
Menthol crystals	0.2
Totarol™ T 8	1.5
Plantacare 810UP	3
	100.00

Disclaimer: The above frame formulation is only a proposed suggestion on usage of Totarol™ for topical skincare use. The end user must determine the suitability of use, stability and performance of the Frame Formulation and accepts any and all liability that use of this Frame Formulation may confer.