

EVONIK CORPORATION

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Sensitive Translucent Gel Toothpaste

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**FEATURING SPHERILEX® 148, ZEODENT® 113
AND ZEODENT® 165**

for sensitive toothpastes and superior tubule occlusion



Sensitive Translucent Gel Toothpaste

Featuring SPHERILEX® 148, ZEODENT® 113 and ZEODENT® 165 for sensitive toothpastes and superior tubule occlusion

Phase	Ingredients	INCI name	% w/w	Function
1		Water	8.867	Hydrating agent
		Sodium Fluoride	0.243	Anticavity
		Potassium Nitrate	5.000	Antisensitivity
		Sodium Saccharin	0.300	Sweetener
2		Sorbitol (70%)	56.940	Humectant
		PEG-12	3.000	Humectant
		Cellulose Gum	0.800	Thickening
3	ZEODENT® 113	Hydrated Silica	15.000	Cleaning
	SPHERILEX® 148	Hydrated Silica	5.000	Tubule occlusion
	ZEODENT® 165	Hydrated Silica	3.000	Thickening
4		Sodium Lauryl Sulfate	1.200	Foaming agent
		Flavor	0.650	Taste
Total			100.000	

Processing

- Weigh ingredients in advance
- Mix Phase 1 ingredients
- Phase 2, disperse cellulose gum into PEG-12, then add remaining ingredients
- Combine Phase 1 and Phase 2 with high shear mixing at 1700 rpm for 30 minutes
- Add Phase 3 ingredients to combined Phases 1 and 2, and mix under vacuum for 20 minutes
- Stop mixer, add Phase 4 ingredients and mix under vacuum at half speed for 10 minutes

ZEODENT® and SPHERILEX®

- CAS Number (Silicon Dioxide) : 112926-00-8 resp 7631-86-9
- Production sites are certified according to ISO 9001, and have implemented Good Manufacturing Practices
- Meets USP-NF "Dental-Type Silica" and EP "Silica, dental type" monographs
- Conforms with COSMOS (as non-organic raw material)
- Is certified as Kosher, Kosher for Passover, Pareve, and Halal
- Is listed as "derived mineral ingredient" in the Annex D of ISO 16128-1 with the INCI name Hydrated Silica
- Is listed by NATRUE in Annex 2 (Nature-identical inorganic pigments and minerals approved in natural cosmetics) with the INCI name Hydrated Silica