

## WHITE BAKING SODA TOOTHPASTE USING NEOSORB® 70/70 SB SORBITOL SOLUTION

### FORMULA

	<b>% (by weight)</b>
NEOSORB® 70/70 SB sorbitol solution	36.00
Sodium bicarbonate	30.00
Purified water	11.94
Abrasive silica TIXOSIL® 73, Rhodia	8.00
Sodium laurylsulfate (30 % DS), SIPON® LCSV95, Sidobre Sinnova	5.66
Thickening silica TIXOSIL® 43, Rhodia	5.00
Mint flavour	1.00
Sodium monofluorophosphate	0.80
Sodium carboxymethylcellulose, BLANOSE® 7MXF, Aqualon	0.70
Titanium dioxide	0.70
Sodium saccharinate	0.20

### METHOD

- Prepare solution A by dissolving the sodium monofluorophosphate and the sodium saccharinate in water at room temperature.
- Prepare solution B by dispersing sodium carboxymethylcellulose in NEOSORB® 70/70 SB sorbitol solution under high intensity stirring for 3 minutes.
- Add A to B under agitation. Allow the mixture to stand for 30 minutes.
- The titanium dioxide is poured into the vacuum- mixing vessel and the above mixture is then added and vacuum mixed for 10 minutes.
- The flavouring is added and the mixture is vacuum mixed for 5 minutes.
- Silicae and sodium bicarbonate are added under vacuum mixing over 40 minutes in 2 steps:
  - Using the first half of the silicae and of the sodium bicarbonate
  - Using the second half of the silicae and of the sodium bicarbonate.
- Finally, the sodium laurylsulfate is added and vacuum mixing continued for 15 minutes.