

OPAQUE GEL TOOTHPASTE USING NEOSORB® 70/70 B SORBITOL SOLUTION (HYDRATED SILICA, CMC, MFP)

FORMULA

	% (by weight)
NEOSORB® 70/70 B sorbitol solution	45.00
Purified water	22.78
Abrasive silica TIXOSIL® 73, Rhodia	14.00
Thickening silica TIXOSIL® 43, Rhodia	9.00
Sodium lauryl sulfate (30 % DS), SIPON® LCSV95, Sidobre Sinnova	4.16
Sodium carboxymethylcellulose, BLANOSE® 7MXF, Aqualon	1.20
Ethanol	1.00
Mint flavour	1.00
Sodium monofluorophosphate	0.76
Titanium dioxide	0.70
Sodium saccharinate	0.20
Methyl paraben	0.18
Propyl paraben	0.02

METHOD

- Prepare solution A by dissolving sodium saccharinate and sodium monofluorophosphate in water at 50°C.
- Prepare solution B by adding the preservatives to the NEOSORB® 70/70 B sorbitol solution at 80°C. This solution is cooled to 50°C and the sodium carboxymethylcellulose dispersed under conditions of vigorous agitation.
- A is added to B. This mixture is allowed to stand for 30 minutes.
- The titanium dioxide is poured into the vacuum-mixing vessel and the above mixture is then added. This is vacuum-mixed for 5 minutes.
- The flavouring is added and mixed for 5 minutes under vacuum.
- Add half of the silicae and mix for 10 minutes.
- Add the second half of the silicae and mix for another 10 minutes.
- Finally, the sodium lauryl sulfate solution and the alcohol are added followed by a final 3 minutes of mixing.