

**Product formula**(from the *British Pharmacopoeia* 2004, p 2646)

	<b>Master</b>	<b>100 ml</b>
Liquid Paraffin BP	500 ml	50 ml
Vanillin BP	500 mg	50 mg
Chloroform BP	2.5 ml	0.25 ml
Benzoic Acid Solution BP	20 ml	2 ml
Methylcellulose 20 BP	20 g	2 g
Saccharin Sodium BP	50 mg	5 mg
Freshly boiled and cooled purified water	to 1000 ml	to 100 ml

**4. Method of preparation****a. Solubility where applicable**

As the method for preparation is given in the *British Pharmacopoeia* for this product, it is not necessary to check each individual solubility.

**b. Vehicle/diluent**

As emulsions are particularly susceptible to microbial contamination, freshly boiled and cooled purified water will be used as per the product formula.

**c. Preservative**

Chloroform BP and Benzoic Acid Solution BP are included in this product as preservatives.

**d. Flavouring when appropriate**

No extra flavouring is required. In addition to preservative action Chloroform Water BP will give some flavouring. Vanillin BP and Saccharin BP will also flavour the product.

The following method would be used to prepare 100 ml of Liquid Paraffin Emulsion BP from the formula above (from the *British Pharmacopoeia* 2004, p 2646):

1. Heat about 12 ml of freshly boiled and cooled purified water.
2. Weigh 2 g Methylcellulose 20 BP on a Class II or electronic balance.
3. Add the Methylcellulose 20 BP to the heated water.
4. Allow to stand for about 30 minutes to hydrate.
5. Add sufficient freshly boiled and cooled purified water in the form of ice to produce 35 ml and stir.
6. Measure 2 ml of Benzoic Acid Solution BP using a syringe.
7. Measure 0.25 ml of Chloroform BP.
8. Weigh 50 mg Vanillin BP using a sensitive electronic balance.