

product is safe and suitable for the intended purpose.

3. Calculation of formula for preparation

Prepare 200 ml of Liquid Paraffin BP 15% emulsion.

Product formula

	Master	200 ml
Liquid Paraffin BP	15 ml	30 ml
Acacia BP	qs	qs
Double Strength Chloroform Water BP	50 ml	100 ml
Freshly boiled and cooled purified water	to 100 ml	to 200 ml

The quantity of emulsifying agent (Acacia BP) required to produce 200 ml of the emulsion must be calculated.

Formula for primary emulsion

Liquid Paraffin BP is a mineral oil. Therefore the primary emulsion ratio is:

Oil : Water : Gum
3 : 2 : 1

30 ml of Liquid Paraffin BP is required, therefore 3 parts = 30 ml.

1 part will therefore be $30 \div 3 = 10$.

Therefore:

The amount of freshly boiled and cooled purified water needed = $2 \times 10 = 20$ ml.

The amount of Acacia BP required = 10 g.

Therefore the product formula for 200 ml of Liquid Paraffin BP 30% emulsion is:

	200 ml
Liquid Paraffin BP	30 ml
Acacia BP	10 g
Double Strength Chloroform Water BP	100 ml
Freshly boiled and cooled purified water	to 200 ml

Interim formula for Double Strength Chloroform Water

Concentrated Chloroform Water BPC 1959	5 ml
Freshly boiled and cooled purified water	to 100 ml

4. Method of preparation

a. Solubility where applicable

Not applicable.

b. Vehicle/diluent

As emulsions are particularly susceptible to microbial