

Example 8.2**The preparation of Compound Magnesium Trisilicate Oral Powder BP**

You receive a prescription in your pharmacy with the following details:

Patient:	Mrs Sally Frost, 345a Longfield Avenue, Astonbury
Age:	56
Prescription:	Compound Magnesium Trisilicate Oral Powder BP
Directions:	1 g tds prn
Mitte:	100 g

1. Use of the product

Used as an antacid (*British National Formulary* 51st edn, p 39).

2. Is it safe and suitable for the intended purpose?

This is an official formula for a bulk oral powder, therefore the formula is safe. The dose of 1 g three times a day falls within the ranges for the individual ingredients (*Martindale* 33rd edn, pp 1233, 1215, 1232 and 1186).

3. Calculation of formula for preparation

Prepare 100 g of Compound Magnesium Trisilicate Oral Powder BP.

Product formula

(from the *British Pharmacopoeia* 2004, p 2562)

	Master	100 g
Magnesium Trisilicate BP	250 g	25 g
Chalk (Powdered) BP	250 g	25 g
Heavy Magnesium Carbonate BP	250 g	25 g
Sodium Bicarbonate BP	250 g	25 g

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

Not applicable.

b. Vehicle/diluent

Not applicable.

c. Preservative

No preservative is included in the preparation as per the product formula.

d. Flavouring when appropriate

No flavouring is included in the preparation as per the product formula.

Method for preparing Compound Magnesium Trisilicate Oral Powder BP using the above formula

1. Weigh 25 g Magnesium Trisilicate BP using a Class II or electronic balance.