

Tips

Potassium Permanganate BP is an oxidising substance, therefore there is risk of explosion. To prevent this, add approximately 20 ml of freshly boiled and cooled purified water to a glass mortar (Potassium Permanganate BP stains and so a porcelain mortar would not be suitable) and grind under water. In addition, a glass mortar is always used for grinding as crystalline substances can scratch a porcelain mortar.

The following method would be used to prepare 150 ml of Potassium Permanganate BP 0.2% w/v from the formula above:

1. Weigh 300 mg Potassium Permanganate BP on a Class II or electronic balance.
2. Transfer to a glass mortar as the Potassium Permanganate BP is crystalline and for ease of dissolution needs to be ground under water into a powder.
3. Transfer the solution to a 250 ml conical measure.
4. Rinse the mortar with freshly boiled and cooled purified water and add the rinsings to the conical measure.
5. Make up to volume with freshly boiled and cooled purified water.
6. Transfer the solution to a 150 ml amber fluted medical bottle with a child-resistant closure and label.

5. Choice of container

A fluted amber bottle with a child-resistant closure would be most suitable as the preparation is a solution for external use.

6. Labelling considerations

a. Title

The product is unofficial, therefore the following title would be suitable: 'Potassium Permanganate Solution 0.2% w/v'.

b. Quantitative particulars

The product is unofficial, therefore it is necessary to put the quantitative particulars on the label. As the product is intended for external use, the quantitative particulars would be expressed per container.

This container contains:

Potassium Permanganate BP	0.2%
Freshly boiled and cooled purified water	to 100%

or

This container contains:

Potassium Permanganate BP	300 mg
Freshly boiled and cooled purified water	to 150 ml

The quantitative particulars for a product for external use may be expressed in percentage terms instead of actual quantities; either would be correct.