

## SOFT OINTMENT - UNGUENTUM MOLLE

It is a hydrophobic emulsion ointment/ointment base.

### Composition

Wool fat	(Adeps lanae)	16.0 g
Liquid paraffin	(Paraffinum liquidum)	4.0 g
Yellow soft paraffin	(Vaselinum flavum)	25.0 g
Purified water	(Aqua purificata)	5.0 g

### Compounding procedure

1. Tare a stainless-steel bowl together with a pestle.
2. Weigh the wool fat and yellow soft paraffin into the tarred bowl using a spatula.
3. Heat using the infra-red lamp until soft.
4. Remove from the heat, add the liquid paraffin and stir gently until blended.
5. Heat water to be within few degrees the same temperature as hydrophobic phase.
6. Tare a glass beaker and weigh 5.0 g of hot water.
7. Add water phase to oil phase and continue stirring until cold.
8. Pack into an ointment jar and label with appropriate stick.

### Shelf-life, storage, labelling

Store at a cool place; protect from frost. An expiry date of 4 weeks is appropriate.

### REMEMBER

The name of preparation is ointment although the amount of incorporated water is just 10 %.

*See difference between ointment and cream.*

Wool fat is a hydrophobic emulsifier enabling the incorporation of water.

*Find information about properties of Wool fat.*

Important rule for the preparation of emulsion ointments (creams also) = the temperature of the hydrophilic phase must be few degrees higher than the hydrophobic phase.

You can incorporate the water only into the Wool fat - smaller amounts are better mixed in the bowl. It is not possible to mix water with paraffins (they do not have emulsifying ability).

The name “soft” is according to lower consistency of the ointment.