

Formulation Record

Name: Salicylic Acid in Flexible Collodion
Strength: 16.7%
Dosage Form: Solution
Route of Administration: Topical

Date of Last Review or Revision: 09/21/05
Person Completing Last Review or Revision: Robert Shrewsbury

Formula:

Ingredient	Quantity	Physical Description	Solubility	Therapeutic Activity
Salicylic acid	5 g	White powder	1 g/460 ml water; 1 g/2.7 ml alcohol, 1 g/3 ml ether	Keratolytic agent, analgesic
Lactic Acid, 88%	5 ml	Clear to yellow liquid viscous liquid, 88% w/w, sp. gr. = 1.2	Miscible in water, alcohol, or ether	Keratolytic agent, skin hydration
Flexible Collodion	qs 30 ml	Clear or slightly opalescent viscous liquid	NA: contains ether and alcohol	Solvent, protectant

Special Precautions: Collodion is highly flammable

NOTE: Work with Flexible Collodion in a fume hood

Additional Information:

Flexible Collodion is:
Camphor 20 g
Castor Oil 30 g
Collodion qs 1000 g

Collodion is:
Pyroxylin 40 g
Ether 750 ml
Alcohol 250 ml

Example Calculations:

Equipment Required:

- Class A prescription balance
- Fume Hood:

Method of Preparation:

1. Calibrate a dropper bottle with alcohol. Turn on mouth to drain dry.
2. Weigh the salicylic acid. **Glassine papers are recommended to aid adding the powder to small necked bottles.**
3. Add the salicylic acid and the lactic acid to the dropper bottle. Cap with glass applicator cap.
4. **Move to a fume hood.** Add approximately 20 ml of Flexible Collodion to the bottle and recap. Affect solution of the salicylic acid.
5. After salicylic acid is completely dissolved, qs to calibration mark with Flexible Collodion. Cap and mix well.

Description of Finished Product:

Clear, colorless, viscous liquid with strong odor of ether

Quality Control Procedures:

product weight
no visible particles

Packaging Container:

1 oz. amber dropper bottle with glass applicator cap

Storage Requirements:

Can be stored at room temperature

Beyond-Use Date Assignment:

USP Guidelines:

Nonaqueous solutions:

Active ingredient is not from a manufactured product, but is a USP/NF substance: 6 months beyond use date.

Label Information:

Topical Use Only
Keep tightly capped

Source of Recipe:

TSN-014 Compounding Compendium, Apothecary Products, Inc. Burnsville, MN

Literature Information:

Remington: The Science and Practice of Pharmacy 19th edition, 1995, p. 879, 1411