

CREAMS

Rx

DIMETHICONE HAND CREAM

For 100 g

Dimethicone	5 g	
Emulsifying wax	15 g	
Oleyl alcohol	4 g	
Ethoxylated lanolin	5 g	
Mineral oil, light	15 g	
Purified water	qs	100 g

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Mix the dimethicone, emulsifying wax, oleyl alcohol, ethoxylated lanolin, and light mineral oil and heat to about 60°C to 65°C.
4. Add the water phase to final weight to the oil phase with stirring. While stirring, cool to about 30°C.
5. Add any color or perfume.
6. Package and label.

Rx

HYDROXYZINE DIHYDROCHLORIDE 10-MG/G AND DIMETHICONE 50-MG/G CREAM

For 100 g

Hydroxyzine dihydrochloride	1 g	
Dimethicone	5 g	
Emulsifying wax	15 g	
Oleyl alcohol	4 g	
Ethoxylated lanolin	5 g	
Mineral oil, light	15 g	
Purified water	qs	100 g

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Mix the dimethicone, emulsifying wax, oleyl alcohol, ethoxylated lanolin, and light mineral oil and heat to about 60°C to 65°C.
4. Dissolve the hydroxyzine dihydrochloride in 20 mL purified water.
5. Add the mixture from step 4 to the oil phase with continual stirring.
6. Add the purified water to final weight to the oil phase with continual stirring while the cream is warm.
7. Cool to about 30°C with stirring.
8. Package and label.

Rx

DIMETHICONE HAND CREAM, PRESERVED

For 100 g

Dimethicone	4 g
Stearic acid	6 g
Cetyl alcohol	1.5 g
Mineral oil, light	2.2 g
Triethanolamine	1.5 g
Glycerin	1.8 g
Methylparaben	200 mg
Purified water	82.8 mL

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Mix the dimethicone, stearic acid, cetyl alcohol, and light mineral oil in a container and heat to about 75°C.
4. Mix the triethanolamine, glycerin, water, and methylparaben in a separate container and heat the mixture to about 75°C.
5. Add the oil phase to the aqueous phase and cool while stirring until the mixture congeals and is at room temperature.
6. Package and label.

Rx

SILICONE PROTECTIVE CREAM

For 100 g

Polawax	15 g	
Oleyl alcohol	4 g	
PEG-75 lanolin	5 g	
Mineral oil, light	15 g	
Dimethicone	5 to 10 g	
Purified water	qs	100 g

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Heat the water and oil phases separately to 65°C.
4. Add the aqueous phase to the oil phase while stirring.
5. Stir while cooling to 30°C.
6. Add aromatic and/or color as desired.
7. Package and label.

CAPSULES

Rx

SIMETHICONE AND MAGNESIUM CARBONATE CAPSULES

For 100 Capsules

Dextrose	1.6 g
Simethicone powder 30% GS	26.6 g
Magnesium carbonate	6.4 g
Microcrystalline cellulose	12.8 g
Magnesium stearate	500 mg
Dextrates	qs

METHOD OF PREPARATION

1. Calculate the quantity of dextrates required for the total number of capsules to be filled.
2. Weigh and/or measure each ingredient accurately.
3. Blend the powders together until uniform.
4. Encapsulate.

GEL

Rx

CLEAR AQUEOUS GEL BASE WITH DIMETHICONE

For 100 mL

Carbomer 934	500 mg
Triethanolamine	1.2 mL
Glycerin	34.2 mL
Propylene glycol	2 mL
Dimethicone	2.3 mL
Purified water	qs 100 mL

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Disperse the carbomer in 20 mL of purified water and allow to hydrate.
4. Add the triethanolamine and bring the volume to 40 mL with purified water.
5. Add the glycerin, propylene glycol, and dimethicone to the aqueous solution and mix well.
6. Add sufficient purified water to volume and mix well.
7. Package and label.

LOTIONS

Rx

ALUMINUM CHLOROHYDRATE 15% IN CYCLOMETHICONE 10% LOTION

For 100 mL

Aluminum chlorohydrate dihydrate	15 g
Propylene glycol	25 mL
Triethanolamine	1 mL
Purified water	12 mL
Oleic acid	1.5 g
Polyethylene glycol 400 monostearate	10.5 g
Cyclomethicone	10 mL
Carbopol 934 2% gel	40 g

Note: The lotion used in this formulation should be paraben and odor free.

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Mix the aluminum chlorohydrate with the water and add to triethanolamine and propylene glycol; heat to about 70°C.
4. Mix the oleic acid, polyethylene glycol 400 monostearate, and cyclomethicone together and heat to about 70°C.
5. Mix the two phases together, remove from heat, and continue to mix while cooling.
6. Incorporate into the Carbopol 934 2% gel and mix well.
7. Package and label.

Rx

BENZOCAINE LOTION, CLEAR

For 10 g

Benzocaine	6.1 g
Cyclomethicone	36.4 g
PPG-15 Stearyl ether	43.9 g
PPG-10 Cetyl ether	13.6 g

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Heat the two PPG ingredients to about 50°C to 60°C.
4. Incorporate the benzocaine followed by the cyclomethicone and mix until clear.
5. Package and label.

Rx

CYCLOMETHICONE 10% LOTION

For 100 mL

Propylene glycol	25 mL
Triethanolamine	1 mL
Purified water	12 mL
Oleic acid	1.5 g
Polyethylene glycol 400 monostearate	10.5 g
Cyclomethicone	10 mL
Carbopol 934 2% Gel	40 g

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Mix the triethanolamine and propylene glycol with the water and heat to about 70°C.
4. Mix the oleic acid, polyethylene glycol 400 monostearate, and silicone fluid together and heat to about 70°C.
5. Combine the mixtures from steps 3 and 4, remove from heat, and mix while cooling.
6. Incorporate into the Carbopol 934 2% gel and mix well.
7. Package and label.

POWDER

Rx

SIMETHICONE 60-MG INSTANT GRANULES IN POWDER PACKETS

For 100 Packets

Simethicone	6 g
Cremophor RH 40	5 g
Copolyvidone	3 g
Ethanol	40 g
Sorbitol, crystalline	50 g
Fructose	50 g
Crospovidone	50 g
Orange flavor	500 mg

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Mix the copolyvidone and the ethanol.
4. Introduce the simethicone and Cremophor RH 40 and mix well.
5. Mix the sorbitol, fructose, crospovidone, and orange flavor separately.
6. Combine the mixtures from steps 3, 4, and 5.
7. Spread the mixtures out on a baking dish and dry.
8. Fill into 100 individual powder packets, each weighing 2.04 grams.

OINTMENT

Rx

DIMETHICONE AND ZINC OXIDE OINTMENT

For 100 g

Dimethicone	1 g
Zinc oxide	10 g
Cod liver oil	10 g
Propylene glycol	10 g
Benzyl alcohol	200 mg
Fragrance	qs
White petrolatum	qs 100 g

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Mix the dimethicone, benzyl alcohol, and cod liver oil with the propylene glycol.
4. Use low heat and just melt the white petrolatum; incorporate the mixture from step 3.
5. Remove from heat and while still warm, incorporate the zinc oxide and fragrance.
6. Cool and package.

SOLUTIONS

Rx

CLEAR SUNSCREEN OIL

For 100 g

Cyclomethicone	16 g
Isopropyl myristate	13 g
Mineral oil	68 g
Octyldimethyl-PABA	3 g

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Heat the mineral oil to about 50°C to 60°C.
4. Incorporate the other ingredients.
5. Package and label.

Rx

SIMETHICONE 4.32-MG/ML INFANT DROPS

For 100 mL

Simethicone emulsion 30%	14.4 g
Polyethylene glycol 6000	6 g
Xanthan gum	150 mg
Methylcellulose 4000	150 mg
Potassium sorbate	150 mg
Methylparaben	120 mg
Propylparaben	20 mg
Saccharin sodium	150 mg
Flavor (green banana, or other)	qs
Citric acid monohydrate	100 mg
Sodium citrate, anhydrous	25 mg
Citric acid 10% aqueous solution	qs
Purified water	qs 100 mL

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Heat 25 mL of purified water to 90°C.
4. Add the methylparaben and propylparaben and stir until dissolved.
5. Add the PEG 6000 and mix until a clear solution is obtained; then cool to room temperature.
6. Add the sodium citrate and citric acid monohydrate and stir until dissolved.
7. Heat about 52 mL purified water to 65°C to 70°C separately.
8. Remove half of this hot water and place in a separate container.
9. Disperse the xanthan gum into one half of the hot water and mix until uniform.
10. Sprinkle on the methylcellulose 4,000 to the other half of the hot water.
11. Add the parabens and PEG mixtures to the methylcellulose dispersion, followed by the xanthan gum mixture and continue to mix until uniform.
12. Dissolve the potassium sorbate and saccharin sodium in about 2 mL of purified water and add to the mixture.
13. Add the simethicone emulsion 30% and mix well.
14. Add the flavor and mix well.
15. Adjust the pH to between 4.4 and 4.6 using citric acid or the sodium citrate.
16. Add sufficient purified water to volume and mix well.
17. Package and label.

STICKS

Rx

ANTIPERSPIRANT STICK

For 100 g

Stearic acid	15 g
Cetyl alcohol	15 g
Aluminum chlorohydrate	20 g
Cyclomethicone	50 g

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Heat the stearic acid and cetyl alcohol to 50°C to 60°C.
4. Incorporate the aluminum chlorohydrate followed by the cyclomethicone and mix until uniform.
5. Start cooling the mixture and pour into stick molds.

Rx

CLEAR-STICK MEDICATION BASE

For 100 g

Sodium stearate	7 g
Alcohol 95%	65 mL
Propylene glycol	25 mL
Cyclomethicone	3 g

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Melt the sodium stearate.
4. Separately, mix the alcohol, propylene glycol, and cyclomethicone.
5. Add the mixture from step 4 to the melted sodium stearate with stirring.
6. Cool slightly.
7. Pour into stick molds.

TROCHES

Rx

SIMETHICONE 70-MG CHEWABLE TROCHES

For 100 Troches

Simethicone	7 g
Sucrose	15.8 g
Povidone	105 mg
Ethanol 95%	qs
Fumed silica	280 mg
Flavor	qs
PEG Troche Base	qs

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Determine the quantity of PEG Troche Base required for the formulation.
4. Mix the simethicone and flavor with sufficient alcohol to a smooth mixture.
5. Melt the PEG Troche Base to about 60°C and incorporate the mixture from step 4.
6. Mix the sucrose with the povidone and fumed silica.
7. Add the mixture from step 6 slowly to the heated mixture from step 5 with stirring.
8. Pour into molds and cool.

Rx

SIMETHICONE 80-MG CHEWABLE TROCHES

For 100 Troches

Simethicone	8 g
Sorbitol	40 g
Microcrystalline cellulose	2 g
Menthol	200 mg
PEG Troche Base	qs

METHOD OF PREPARATION

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Weigh and/or measure each ingredient accurately.
3. Determine the quantity of PEG Troche Base required for the formulation.
4. Mix the simethicone, sorbitol, and menthol together.
5. Melt the PEG Troche Base to about 60°C.
6. Incorporate the mixture from step 5 slowly into the mixture from step 4.
7. Sprinkle on the microcrystalline cellulose, with constant stirring, and mix well.
8. Pour into molds and cool.