

## Ordering

697668 – 500 g

697669 – 5 kg

697670 – 10 kg

## Applications

Dermatology

HRT

Pain

Veterinary

## API Load

High (up to 50%)

## Compatible Solvents

Castor Oil

Diethylene Glycol Monoethyl Ether

DMSO

Ethanol

Glycerin

PEG 40 Hydrogenated Castor Oil

PEG 400

Pentylene Glycol

Polysorbate 20

Polysorbate 80

Propanediol

Propylene Glycol

Sunflower Oil

## Product Highlights

Versatile® Anhydrous Cream is a multipurpose base for topical medications that accommodates diverse ingredients and meets USP <795> standards for anhydrous preparations allowing for extended beyond-use dating up to 180 days. Versatile® Anhydrous is slightly occlusive and film forming upon application but readily absorbs into the dermis in a few minutes. This base contains a unique solvent system within the cream that allows for lipophilic and hydrophilic API dissolution to form a homogenous preparation.

- Anhydrous, multipurpose base for topical compounding
- Allows for 180 day beyond-use-date of compounding preparations (water activity below 0.6) per USP <795>
- Viscosity adjustable by adding solvents
- Slightly occlusive skin-feel with rapid absorption
- Built-in antioxidants protect oxidation prone API's
- Solvent selection can enhance skin feel and reduce tackiness

## Ingredients

Caprylic/Capric Triglycerides, Isoamyl Laurate, Propylene Glycol Monocaprylate, Stearyl Benhenate, Glyceryl Dibehenate, Glyceryl Monostearate, Polyglyceryl-3 diisostearate, BHT (butylated hydroxytoluene), Cetyl Alcohol & Ceteth-20 & Steareth-20, Beeswax White, Olus Oil (Cremerlin Pura), Ethoxy Diglycol, Citric Acid

## Specifications

White to off-white, matte to glossy base. High shear mixing results in a more flowable glossy appearance.

- Specific Gravity: ~0.95 g/mL
- Water Activity: < 0.6

## Formulas

FA-23548 Fluorouracil 2% - Salicylic Acid 17% Cream (Versatile® Anhydrous Cream)

FA-23565 Amitriptyline HCl 5% - Gabapentin 5% - Lidocaine 5% Cream (Versatile® Anhydrous Cream)

FA-23583 Azelaic Acid 15% - Tretinoin 0.05% Cream (Versatile® Anhydrous Cream)

## Compatible APIs

Including but not limited to:

Ascorbic Acid  
Azelaic Acid  
Baclofen  
Benzocaine  
Clindamycin HCl  
Cyclobenzaprine HCl  
Diclofenac Sodium  
Diltiazem HCl  
Erythromycin  
Estradiol  
Estriol  
Fluorouracil (5-FU)  
Gabapentin  
Glycolic Acid  
Hydroquinone  
Ketamine HCl  
Ketoconazole  
Kojic Acid  
Lidocaine base & HCl  
Metformin  
Methimazole  
Metronidazole  
Miconazole Nitrate  
Mupirocin  
Niacinamide  
Nifedipine  
Progesterone  
Salicylic Acid  
Spironolactone  
Tacrolimus  
Testosterone  
Tetracaine base & HCl  
Tranexamic Acid  
Tretinoin  
Verapamil HCl

## Compounding Tips

- Versatile® Anhydrous Cream is slightly occlusive and film forming upon application but due to the nature of the solvents used in the cream, it readily absorbs into the dermis in a few minutes. Patients should be advised to rub the cream into the application site and allow the cream to absorb for 2-3 minutes. It will absorb into the dermis.
- Versatile® Anhydrous Cream is thixotropic and will thin out to a lotion consistency upon prolonged mixing. Allowing the cream to rest for 10-15 minutes, then with simple re-mixing, the preparation maintains its cream consistency.
- Solvent selection can enhance skin feel and reduce any tackiness. Solvents or wetting agents assist in providing a non-gritty, homogenous preparation.
- Versatile® Anhydrous Cream formulation demonstrates excellent compatibility with a wide range of solvents typically ranging between 5-8%. Note: Versatile® Anhydrous already contains 12% Diethylene Glycol Monoethyl Ether.
- For hydrophilic APIs consider using a pinch of Glycerin or Propylene Glycol 5%
- APIs like Hydroquinone and Tretinoin can be added as-is into Versatile® Anhydrous Cream as it contains antioxidants.

## How to improve skin-feel

Is the product too greasy? Versatile® Anhydrous Cream does have a slight occlusion or greasy feel upon skin application which disappears after 1-2 minutes. Consider the use of silicones, like Dimethicone (up to 5%) or Polydimethylsiloxane (up to 5%), to improve slip and skin feel upon application.