



SUGGESTED FORMULA

Octinoxate 5% / Octisalate 5% / Oxybenzone 5 % Sunscreen Gel

Version number: 1.0

Quantity: 100gm

Octinoxate, USP (01123)	5gm
Octisalate, USP (01236)	5gm
Oxybenzone, USP (B1261)	5gm
Hydroxypropyl Cellulose 4000-6500 cP, NF	1.5gm
Alcohol, Rubbing (Isopropyl) 91%*	Q.S.100mL

*100 mL of Isopropyl Alcohol 91% can be prepared by mixing 91.9 mL of Isopropyl Alcohol 99% with 8.1 mL of Purified Water, USP.

SUGGESTED COMPOUNDING PROCEDURES

1. Calculate the required quantity of each ingredient for the total amount to be prepared
2. Accurately weight and/or measure each ingredient
3. Dissolve Oxybenzone in about 80mL of IPA (91%) followed by the Octinoxate, the Octisalate and the Hydroxypropyl Cellulose
4. Add sufficient IPA to volume and mix well, allow sufficient amount of time for mixture to hydrate and gel
5. Package in air-tight, light resistant containers
6. Suggested quality assessments:
 - a. Uniform gel with no lumps
 - b. Color
 - c. Label (s)- auxiliary labels (external use), storage, BUD

Store in air-tight container

No claims are made as to the safety or efficacy of this preparation. This formulation is provided solely at the unsolicited request of the pharmacist.

Beyond-Use Dates of preparations are conservative estimates by the formulator using reference books, peer-reviewed literature, intended duration of therapy, formulation from commercially available products, organoleptic observations and current USP guidelines. Compounders may have stability studies performed by a reputable laboratory if they wish to extend the Beyond-Use Date.

It is recommended that you follow USP <795> recommendations for potency testing.

Beyond-Use Date is estimated to be 6 months per compoundingtoday.com – Allen Loyd V Jr. *Sunscreen Gel-Alcoholic, SPF-15*. International Journal of Pharmaceutical Compounding. 4(5);2000:384.

Precautions should be taken to prevent cross-contamination and exposure of ingredients to the compounder and contamination of the preparation by the compounder. Wear appropriate protective equipment. Use safety enclosures (hoods) when weighing and mixing.

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